HAMPDEN COUNTY REGISTRY OF DEEDS

DAMS FILE COLLECTION

BOOK D23

TOWN OF WILBRAHAM, MASSACHUSETTS

Donald E. Ashe, Register
Hampden County Registry of Deeds,
a Division of the Office of
William Francis Galvin, Secretary of the Commonwealth

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1965 Wilbraham

Dam built in connection with new housing development southerly of Soule Road. See also: County Roads Plan #19 (1965) "Dam J M Bennett - Birch St".

City/Town	Wilbraham
Dam	Bennett Dam
Name	Bennett , James A
Streets	Glendale Road
Streets	Soule Road

CD Wilbraham
June 8, 1965

The Hon. the Board of County Commissioners
52 State Street
Springfield, Massachusetts

Gentlemen:

In accordance with your directive, the undersigned has examined a set of drawings and specifications for a proposed low earth embankment dam to be constructed in Wilbraham on property owned by James A. Bennett.

The site of the dam is on a stream shown as Sawmill Brook at a point just upstream from Stony Hill Road. The site is easterly of Stony Hill Road, southerly of Soule Road, northerly of the Hampden Town line, and westerly of the property of the Y.M.H.A. Day Camp. The dam as proposed is to be constructed in conjunction with a housing development and is shown on drawings designated 87-4850. The first two sheets of the set of drawings show topography and the proposed housing development. The third sheet is a general location drawing of the proposed dam. It shows the dam located just upstream of where Sawmill Brook discharges into the South Branch of Mill River. The fourth sheet of the drawings is additional topographical information and proposed development construction throughout the area between Soule Road and the Hampden Town line westerly to Stony Hill Road. The fifth and sixth sheets of the drawings dated May 1, 1965, and the seventh sheet dated April, 1965, show details of the dam and spillway as proposed.

The dam will be a low but fairly massive earth embankment structure with a concrete channel spillway thru the embankment and an emergency storm flow swale spillway around the left end of the embankment.

The elevation of existing ground in the brook at the site of the proposed construction is 225.0, more or less. The main spillway will have a crest elevation of 227.00. Thus, normal water level impounded by the dam will only be 2 ft. above present ground elevation. The Owner proposes to provide pond volume by excavating the Valley of the Brook upstream of the dam.

The concrete channel to serve as the normal spillway facility, will be of reinforced concrete construction and will have a width of 10 ft. The crest length of the spillway lip will be 50 ft. For drawdown purposes, stop logs will seal off the entrance end to the concrete channel spillway and these logs will be removable. The concrete spillway will be built on natural undisturbed soil in an excavation that will be approximately 5 ft. in depth at the spillway channel floor and deeper at the side wall footings.

At the discharge end of the spillway channel and to protect the downstream toe of the earth embankment, rip rap will be furnished and placed.

The storm flow spillway will be to the left of the embankment and will have a crest elevation of 229.0. Thus, it will be necessary for the overflowing water on the lip of the masonry spillway to be 2 ft. in depth before the emergency spillway will operate. The width of the swale spillway is 40 ft. and the side slopes will be 4 horizontal on 1 vertical. At design high water elevation, based upon the drainage area involved, the width of water surface in the emergency spillway will be about 64 ft. The entire operating portion of the emergency spillway will be cut in undisturbed soil and the surface will be loamed and seeded.

The drainage area involved on Sawmill Brook is about three square miles. The spillway capacity of the masonry spillway is such that the emergency spillway will only operate during time of extreme flood flow conditions. The capacity of both spillways is such that flood flows in the range of one cubic feet per second per acre can be passed thru the dam.

Downstream of the dam where Sawmill Brook joins the South Branch of Mill River, the topography is relatively flat and coupled with the culvert under Stony Hill Road, it can be expected that tail water, under extreme flood flow conditions, can be relatively high in surface elevation. This condition could reduce the capacity of the two proposed spillways. However, a flood of this nature would simply cause ponding of water above the proposed dam, as a result of downstream conditions, and thus any damage to the proposed embankment dam that would occur in flood time would not suddenly release large quantities of water to relatively dry areas below.

The top of the proposed earth embankment is elevation 240.0. This is 11 ft. higher than the elevation of the crest of the emergency spillway and 13 ft. higher than the normal pond elevation. The proposed embankment will be depressed 5 ft. at the location where the concrete masonry spillway passes thru the embankment. However, the elevation of the earth fill at this location will be 235.0 and thus about 3 ft. higher than anticipated high water elevation under flood flow conditions with no tail water interference downstream. Should tail water interference occur and ponded water rise above elevation

235.0, it can be expected that water velocity passing thru the embankment will not be high and the side slopes of 4 to 1 that form the depression in the vicinity of the concrete masonry spillway should withstand this operating condition.

The earth embankment of the dam proper will be made up of a central section of well compacted select impervious clay or clay-silt. The upstream and the downstream quarters of the embankment cross-section will consist of a coarse sand. The upstream surface of the embankment will be on a slope of three horizontal to one vertical and will be rip rapped below high water level of elevation 232.0. The remaining upper portion of the upstream face of the embankment will be loamed and seeded.

The downstream face of the embankment will have the same 3 on 1 slope of the upstream face but the surface will be loamed 6" deep and seeded. The top of the embankment will be graveled and have a width of 10 ft.

The embankment will be built on undisturbed soil. When the embankment area is excavated for foundation construction, the plans indicate that a cutoff wall will be extended into natural grounds if the foundation soil is found to be pervious.

The specifications provided with the drawings are brief but satisfactory. They consist of a title sheet and two 8-1/2" x 11" typewritten pages. The specifications cover scope of the work, clearing, excavation and grading, foundations and concrete masonry as well as impervious embankment construction. The specifications require high quality workmanship and provide for good construction procedures.

On the assumption that the Owner will cause the work as proposed to be constructed in accordance with the plans and specifications as filed, it is recommended that your Honorable Board approve the filed plans and specifications.

The undersigned has retained the set of plans and specifications sent to me. It is recommended that Mr. Bennett be directed to notify the undersigned when construction of the dam is to be started so that I can schedule routine inspections at critical stages of the work.

Respectfully submitted,

George H. McDonnell
County Hydraulic Engineer

CHM/mb

GEORGE H. McDONNELL
PHILIP W. SHERIDAN
EDWARD J. BAYON

TIGHE & BOND CONSULTING ENGINEERS

CIVIL, SANITARY AND ELECTRICAL ENGINEERING
INVESTIGATIONS, REPORTS, PLANS AND SPECIFICATIONS
SUPERVISION OF CONSTRUCTION AND OPERATION

BOWERS AND PEQUOT STREETS
HOLYOKE, MASSACHUSETTS
TEL. JEFFERSON 3-3991

CD Wilbraham
October 27, 1965

The Hon. the Board of County Commissioners
52 State Street
Springfield, Massachusetts

Gentlemen:

On Tuesday, October 26, 1965, I received a phone call from a Mr. S. E. Bennett of 846 Glendale Road in Wilbraham, complaining about a neighbor to the south of his property filling in a natural drainage valley that crosses both the Bennett property and the neighbor's property. The neighbor is Donald Gleason. Mr. Bennett informed me that construction now going on would plug the valley and form a pond of water on his property during wet weather seasons.

I made an appointment to meet Mr. Bennett at the site and at 2:00 P. M. I inspected the work being done by Mr. Gleason.

The drainage valley involved begins on property of Mr. Bennett. It pitches and drains westerly to a culvert under Glendale Road at a point about 1600 feet northerly of Monson Road in Wilbraham. 200 feet, more or less, of the drainage valley easterly of Glendale Road is on property of Gleason. Mr. Gleason has graded his property by filling the drainage valley and fill is now being placed in the shallow drainage valley on Gleason property but close to the property line of Bennett. No water was flowing in the drainage valley but it is evident that following prolonged rains and in the Spring, as the result of melting snow, a sizeable brook does flow in the drainage valley.

A review of the topographical map shows that the drainage area involved is much less than one square mile in area. The filling work being done by Mr. Gleason on his property, in the opinion of the undersigned, does

not constitute a dam but it is simply the regrading of his property to fill a low valley, that has, for many years, been a channel for surface run-off. The fill as being placed will cause ponding of water on property of Bennett but in my opinion, the volume of the water that will be ponded will be much less than one million gallons.

I pointed out to Mr. Bennett that the County does not have authority to act since the construction relates to grading of the Gleason property and does not result in the formation of a pond by a dam falling within the limitations and conditions of Chapter 253 of the General Laws. I advised Mr. Bennett that his only course of action would be civil action to be brought by him against Mr. Gleason and that this matter should be discussed with his Attorney. I pointed out also that from what I know about drainage and land grading, the owner of land has the right to grade his property provided he does not block a stream course or a drainage valley on which there has been given a right-of-way.

In my opinion, the filling done by Mr. Gleason will result in the formation of a small pond on Bennett property and when the pond has been filled to the level of the grading on Gleason property, the surplus water in the Springtime will flow over the Gleason property and probably reform the drainage valley by causing a gulley to be washed in the fill placed by Mr. Gleason.

It is suggested that a communication be sent to Mr. Bennett advising him officially that there is no action the County can take in the matter.

Respectfully submitted,

George H. McDonnell

George H. McDonnell
County Hydraulic Engineer

GHM/mbf

November 3, 1965

Mr. S. E. Bennett
846 Glendale Road
Wilbraham, Massachusetts

Dear Mr. Bennett:

The County Hydraulic Engineer has reported to our Board relative to your complaint about a neighbor, Mr. Gleason, filling in a drainage valley on his property in such a manner as to interfere with the natural drainage that will cause the formation of a pond of water on your property in time of wet weather conditions and in the Spring as the result of melting snow.

Chapter 253 of the General Laws of the Commonwealth of Massachusetts allows the County Commissioners to take action in connection with the ponding of water when any one of the following conditions exist:

(a) If a dam is built that is 10 ft. high or higher

(b) If a pond of water is stored in excess of one million gallons

(c) If the area draining to where the dam has been constructed is greater than one square mile

The County Hydraulic Engineer has made a review of the drainage area involved and has reported that the total area draining to the point in question, as determined from the U. S. Coast & Geodetic topographical map, is considerably less than one square mile in area.

The work being done by Mr. Gleason is not a dam but consists of the filling of the natural drainage valley that crosses his property in a westerly direction. Even if this fill could be considered a dam, it is not 10 ft. high above the grade of the natural valley. The fill extends for 200 feet or

more from about your property line to Glendale Road. Also, the drainage valley in which the fill has been placed is a seasonal valley in that no surface flow takes place throughout the entire year. If the fill placed by your neighbor was 10 ft. in height and could be considered a dam rather than a grading project, the County might be able to take some action under this condition of the Law. A pond will apparently be formed on your property as a result of the Gleason grading work but the pond will not reach one million gallons in capacity before it overflows the Gleason fill and the water makes its way over the surface of the fill to Glendale Road. Our Board wishes that we could be of assistance to you in connection with your problem. However, the Law is very explicit as to our powers and, from the report made to us by the County Hydraulic Engineer, the work being done does not fall within any of the provisions of Chapter 253 of the General Laws.

The only action that you might be able to take would be a civil action against the owner of the land or the person doing the grading on the land that abuts your property. Whether or not you bring civil action should be governed by the advice of your own Attorney.

Very truly yours,

BOARD OF COUNTY COMMISSIONERS

_____

_____

_____

GEORGE H. McDONNELL
PHILIP W. SHERIDAN
EDWARD J. BAYON

TIGHE & BOND CONSULTING ENGINEERS

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BOWERS AND PEQUOT STREETS
HOLYOKE, MASSACHUSETTS
TEL. JEFFERSON 3-3991

CD Wilbraham
November 23, 1965

The Hon. the Board of County Commissioners
52 State Street
Springfield, Massachusetts

Gentlemen:

William E. Leonard, Chairman of the Planning Board of the Town of Wilbraham, Mass., requested that the County provide the Town of Wilbraham with a copy of the report filed by the undersigned with your Board in connection with the Bennett Dam to be built in connection with a housing development southerly of Soule Road. An Interlocutory Decree was issued by your Board in connection with this proposed dam on June 16, 1965.

A photocopy of my letter-report to your Board dated June 8, 1965, was sent to Mr. Leonard.

Very truly yours,

George H. McDonnell

George H. McDonnell
County Hydraulic Engineer

GHM/mbf

March 3, 1966

The Hon. the Board of County Commissioners
52 State Street
Springfield, Massachusetts

Gentlemen:

In accordance with your communication of February 28, 1966 and the letter from Durkee, White, Towne & Chapdelaine, dated Feb. 24, 1966, I have reviewed revised plans of the proposed dam by James A. Bennett at Wilbraham, Mass., and report to your Honorable Board as follows:

Plans and specifications of the construction as originally planned were sent to me by your Honorable Board on May 26, 1965 and a letter-report was submitted on June 8, 1965. An Interlocutory Decree was issued by your Board June 16, 1965 approving the filed plans and specifications in accordance with the report of the undersigned.

Apparently, following a review of field conditions, and the depth of pond to be formed by the dam as originally proposed, the Owner decided that a pond with two more feet of depth would be more desirable for his purpose. Consequently, the Engineer for the Owner prepared revised drawings as needed to result in the water level of the proposed pond being raised from the original elevation of 227.00 to a revised elevation of 229.00. This change necessitated the raising of the masonry spillway and the flood flow spillway.

The plans examined by the undersigned are indicated as Drawing #87-4850 and a note above the title box on each of the drawings is dated Jan. 15, 1966 and indicates the revision of the drawings by raising the spillway from elevation 227.00 to elevation 229.00.

The concrete sidewalls of the flow-thru masonry spillway have been raised and the stoplogs in the flow-thru spillway have been increased by two feet in height. The stoplogs as proposed will be satisfactory.

Because of the increased head of two additional feet, the load on the lower stoplogs will be increased sufficiently to cause deflection of the stoplogs and thus leakage may occur at joints in the planking construction. This condition will not endanger the dam but may give the Owner problems in maintaining a water level in his pond during dry weather. The undersigned plans to discuss this matter with the Engineer and suggest that during co nstruction, provisions be made to control any leakage between stoplogs for the benefit of maintaining pond level.

The flood flow spillway crest has been raised two feet and, based upon the anticipated depth of flood flow, the cross-section in the throat area of this flood spillway indicates that flood flows will take place within the limits of the cut in natural ground. This is a desirable and satisfactory condition.

The top of the earth embankment of the dam has been held constant at elevation 240.00. This elevation provides for a satisfactory freeboard above anticipated elevation of flood flow.

Riprap elevations have been raised as necessary to provide protection at the embankment fill.

On the assumption that the dam as proposed in the revised plans will be built in accordance with these revised plans and in accordance with the specifications as originally submitted to your Board, it is recommended that the revised plans be approved.

Very truly yours

George H. McDonnell
County Hydraulic Engineer

GHM/cmb

CD Wilbraham
November 16, 1967

J. A. Bennett, Inc.
3 Birch Street
Box 12
North Wilbraham, Mass.

Dear Sir:

Your letter of November 14, 1967 is acknowledged relative to the fact that you have started to excavate for the spillway of the dam on your property in Wilbraham.

My last trip to the site of your proposed dam and pond was on Sunday, November 5 at which time the only work the undersigned noted was some clearing and cleaning of the pond area.

My schedule is such that I have no free time today, November 16, and will be in New York City on business Friday, November 17. I will plan to make an inspection of your dam site on Monday, November 20. At that time, your excavation for the spillway should be fairly well along.

I wish to caution you relative to the construction of your dam now that we are experiencing freezing weather. Earth embankment construction cannot be done properly on frozen ground or with frozen earth. The material does not compact properly and water content of the soil this time of year is usually too high for proper compaction.

Concrete construction becomes quite difficult. The spillway construction consists mainly of reinforced concrete. It will be necessary that this concrete be protected from freezing weather for a long enough period after the concrete has been poured so that there will be no danger of damage to the concrete masonry as a result of frozen fresh concrete. Thus, covers including heat should be applied to any concrete poured during the critical curing period.

Before any concrete is poured, I would like to be notified at least a full day in advance so that I can schedule an inspection of the forms to be certain that the reinforcing steel has been properly installed.

Very truly yours,

George H. McDonnell
County Hydraulic Engineer

GHM/mbf

GEORGE H. McDONNELL
PHILIP W. SHERIDAN
EDWARD J. BAYON

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HOLYOKE, MASSACHUSETTS
TEL. JEFFERSON 3-3991

CD Wilbraham
November 16, 1967

The Honorable the Board of County Commissioners
52 State Street
Springfield, Massachusetts

Re: Bennett Dam

Gentlemen:

From time to time during the Summer and Fall, I have checked the site of the proposed Bennett Dam in the southerly portion of Wilbraham and as recently as Sunday, November 5, found no work going on other than work of clearing and cleaning a portion of the pond area. On November 16, I received a communication from the Owner stating that he is now starting to dig for the dam spillway and that construction of the dam will be started as soon as excavation is completed.

I am enclosing a copy of a communication sent to Mr. Bennett advising him of the fact that I will inspect the site of his dam and the construction work on Monday, November 20. I have also cautioned him relative to problems he will encounter in attempting to build his dam now that freezing weather is upon us. The contents of the letter are self-explanatory.

Very truly yours,

George H. McDonnell

George H. McDonnell
County Hydraulic Engineer

GHM/mbf

GEORGE H. McDONNELL
PHILIP W. SHERIDAN
EDWARD J. BAYON

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HOLYOKE, MASSACHUSETTS
TEL. JEFFERSON 3-3991

CD Wilbraham
May 14, 1968

The Honorable the Board of County Commissioners
52 State Street
Springfield, Massachusetts

Re: Bennett Dam
Wilbraham

Gentlemen:

The undersigned made an inspection of the work being conducted at the above subject dam on Friday, May 10, 1968 and then discussed conditions as noted at the dam site, with the engineer for the owner, on Tuesday morning, May 14, 1968.

The dam involved is to store a pond of water formed partially by excavating the valley approximately 5 feet and building of an earth embankment dam to raise the water level 5 feet more or less above original ground elevation. Thus, through excavation and damming, a pond 9 feet in depth would be obtained.

The earth embankment is to be quite sizeable in relationship to its low height. The spillway as planned, is a concrete chute-type structure extending through the entire embankment on the right side of the valley. The floor of the chute would be at about natural ground level and stoplogs 4 feet in height at the inlet end would provide for raising the water level.

Since the height to which water is to be raised is quite low, and thus the head acting upon the foundation relatively small, an elongated path of travel for seepage water under the dam was provided for by making the dam embankment very wide and requiring a cutoff wall extending down into the ground to natural impervious soil.

On Friday, May 10, 1968 when the contractor was excavating for the spillway foundation, the undersigned noted that the material being excavated was entirely a sandy gravel containing relatively large stones.

TIGHE & BOND CONSULTING ENGINEERS

Flow of water into the excavation from the side embankment was very rapid. No evidence of an impervious foundation was noted.

The undersigned instructed the contractor to continue the excavation until impervious material is encountered. When impervious material is encountered, the excavation is to be pumped dry for examination.

On Tuesday morning, May 14th, the engineer for the owner and developer of the property, called and requested that a conference be held in the field with him and the owner to discuss the advisability of moving the spillway to the opposite side of the dam. I pointed out to the engineer, Mr. Chapdelaine, that my schedule was such that I could not meet with him and the owner at the site of the dam until next week. I also pointed out that if the purpose of the requested conference is to move the spillway because no impervious bottom has been encountered, then the dam project should be abandoned unless the developer is ready to continue into basic impervious material regardless of whether the spillway or the earth embankment is located on the trouble spot. I pointed out to Mr. Chapdelaine that nothing would be gained by observing ground surface conditions or re-observing the conditions examined in the field on last Friday. I advised Mr. Chapdelaine that since foundation conditions at this dam are apparently going to be unsatisfactory, it will be necessary that borings be obtained to locate impervious and suitable foundation materials. When these are located, and if they are deep, it will be recommended that a cutoff wall be installed from the dam down into the suitable material. The cutoff wall could be either driven sheet piling or a heavily reinforced flexible-type concrete membrane.

I suggested to Mr. Chapdelaine that he discuss with the owner and developer, the advisability of abandoning the proposed dam construction and form the desired body of water entirely in excavation below brook bed level. In this way, no dam would be required and the project would not come under the jurisdiction of your Honorable Board. I also advised the engineer to be certain there is no conflict with the requirements of the Hatch Act.

I will keep your Honorable Board advised of the progress in connection with this project.

Respectfully submitted,

George H. McDonnell

George H. McDonnell
County Hydraulic Engineer

GHM/amd

GEORGE H. McDONNELL
PHILIP W. SHERIDAN
EDWARD J. BAYON

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HOLYOKE, MASSACHUSETTS
TEL. JEFFERSON 3-3991

CD Wilbraham
May 14, 1968

The Honorable the Board of County Commissioners
52 State Street
Springfield, Massachusetts

Re: Bennett Dam
Wilbraham

Gentlemen:

The undersigned made an inspection of the work being conducted at the above subject dam on Friday, May 10, 1968 and then discussed conditions as noted at the dam site, with the engineer for the owner, on Tuesday morning, May 14, 1968.

The dam involved is to store a pond of water formed partially by excavating the valley approximately 5 feet and building of an earth embankment dam to raise the water level 5 feet more or less above original ground elevation. Thus, through excavation and damming, a pond 9 feet in depth would be obtained.

The earth embankment is to be quite sizeable in relationship to its low height. The spillway as planned, is a concrete chute-type structure extending through the entire embankment on the right side of the valley. The floor of the chute would be at about natural ground level and stoplogs 4 feet in height at the inlet end would provide for raising the water level.

Since the height to which water is to be raised is quite low, and thus the head acting upon the foundation relatively small, an elongated path of travel for seepage water under the dam was provided for by making the dam embankment very wide and requiring a cutoff wall extending down into the ground to natural impervious soil.

On Friday, May 10, 1968 when the contractor was excavating for the spillway foundation, the undersigned noted that the material being excavated was entirely a sandy gravel containing relatively large stones.

TIGHE & BOND CONSULTING ENGINEERS

Flow of water into the excavation from the side embankment was very rapid. No evidence of an impervious foundation was noted.

The undersigned instructed the contractor to continue the excavation until impervious material is encountered. When impervious material is encountered, the excavation is to be pumped dry for examination.

On Tuesday morning, May 14th, the engineer for the owner and developer of the property, called and requested that a conference be held in the field with him and the owner to discuss the advisability of moving the spillway to the opposite side of the dam. I pointed out to the engineer, Mr. Chapdelaine, that my schedule was such that I could not meet with him and the owner at the site of the dam until next week. I also pointed out that if the purpose of the requested conference is to move the spillway because no impervious bottom has been encountered, then the dam project should be abandoned unless the developer is ready to continue into basic impervious material regardless of whether the spillway or the earth embankment is located on the trouble spot. I pointed out to Mr. Chapdelaine that nothing would be gained by observing ground surface conditions or re-observing the conditions examined in the field on last Friday. I advised Mr. Chapdelaine that since foundation conditions at this dam are apparently going to be unsatisfactory, it will be necessary that borings be obtained to locate impervious and suitable foundation materials. When these are located, and if they are deep, it will be recommended that a cutoff wall be installed from the dam down into the suitable material. The cutoff wall could be either driven sheet piling or a heavily reinforced flexible-type concrete membrane.

I suggested to Mr. Chapdelaine that he discuss with the owner and developer, the advisability of abandoning the proposed dam construction and form the desired body of water entirely in excavation below brook bed level. In this way, no dam would be required and the project would not come under the jurisdiction of your Honorable Board. I also advised the engineer to be certain there is no conflict with the requirements of the Hatch Act.

I will keep your Honorable Board advised of the progress in connection with this project.

Respectfully submitted,

George H. McDonnell

George H. McDonnell
County Hydraulic Engineer

GHM/amd

GEORGE H. McDONNELL
PHILIP W. SHERIDAN
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BOWERS AND PEQUOT STREETS
HOLYOKE, MASSACHUSETTS
TEL. JEFFERSON 3-3991

CD Wilbraham
June 5, 1968

The Honorable the Board of County Commissioners
52 State Street
Springfield, Massachusetts

Re: Bennett, Inc. Dam
Wilbraham

Gentlemen:

I have received a copy of a communication addressed to your Honorable Board, dated May 24, 1968, requesting that the Interlocutory Decree issued on June 16, 1965 in connection with the above subject dam be rescinded. The letter of request was signed by the engineer for the owner.

As explained in my letter-report to your Honorable Board dated May 14, 1968, foundation conditions for this dam were found to be unsatisfactory when excavation was made for the spillway. In a conversation with the engineer for the owner following my May 14th report, I again pointed out to persons involved in this project, problems that would be faced in attempting to build a safe dam in the area planned.

The owner apparently is now going to have a pond entirely formed by excavation and water stored in the excavated pond will be released via the brook course at the natural and existing brook bed elevation.

It is the opinion of the undersigned that the owner should have the Decree rescinded and that he should be advised in writing, that any water ponded must be formed entirely in excavation and that the water level of the pond surface, under normal conditions, cannot be above the normal grade of the brook.

Very truly yours,

George H. McDonnell

George H. McDonnell
County Hydraulic Engineer

GHM/amd

Carter Dam

1951 Wilbraham

Dam located on Big Brook near Hampden-Wilbraham town line.

City/Town	Wilbraham
City/Town	Hampden
Dam	Carter Dam
Name	Carter, Ralph
Name	Moriarty, John
Water	Big Brook

October 23, 1951

Mr. George H. McDonnell,
County Hydraulic Engineer,
189 High Street,
Holyoke, Mass.

Dear Mr. McDonnell:

I wonder if you would be so kind as to investigate and make a report to the County Commissioners relative to a dam which has been erected by one, Ralph Carter of Longmeadow, whose business address is Highland Knitting Company, 33 Lyman Street, Springfield, Mass. The dam in question is located in the town of Hampden and part in the town of Wilbraham and is to the rear of property of one John Moriarty on Glendale Road in Hampden, Mass. Mr. Moriarty has called the attention of the County Commissioners to the existence of this dam because he feels he might be legally responsible for any damage done to downstream property owners in the event the dam was to break, since a part of the dam proper is on his property.

Very truly yours,

COUNSEL FOR THE HAMPDEN
COUNTY COMMISSIONERS.

WJF/N

Copy to
John Moriarty,
Hampden, Mass.

c o p y

TIGHE & BOND

189 High Street,
Holyoke, Mass.

October 24, 1951

William D. Foley, Attorney
Counsel for the Hampden County Commissioners
County Court House
Springfield, Mass.

Dear Sir:-

I plan to be in the Hampden-Wilbraham vicinity for the putpose of inspecting dams, during the week starting October 29, 1951, and at that time will investigate the dam erected by Ralph Carter of Longmeadow in the towns of Hampden and Wilbraham and located to the rear of property of John Moriarty, Glendale Road, Hampden, Mass.

I will submit my report to the County Commissioners and send you a copy immediately upon completing the investigation.

Very truly yours,

G. H. McDonnell
County Hydraulic Engineer

November 14, 1951

Mr. Ralph Carter
Highland Knitting Company
33 Lyman Street
Springfield, Mass.

Dear Sir:

Our County Hydraulic Engineer has notified our Board that you have constructed a dam on Big Brook in the vicinity of the Hampden-Wilbraham town line, and that this dam has been improperly constructed. No plans and specifications have been filed with our Board, nor has permission been requested for construction of this dam. Your attention is called to Section 44 thru 50 of Chapter 253 of the General Laws.

You are hereby directed to draw down the pond behind the dam and to keep the pond drawn down until such time as plans and specifications of the structure have been filed and approved and necessary improvements and additions made to the structure.

Any further information concerning this matter which you may desire will be furnished by this office upon request.

Yours very truly,

COUNTY COMMISSIONERS

_____
Chairman

_____

_____

TIGHE & BOND

189 High Street,
Holyoke, Mass.

The Hon. Board of County Commissioners
Hampden County Court House,
Springfield, Mass.

November 13, 1951.

Attention: William F. Stapleton,
Chairman

Gentlemen:-

In accordance with your request, as outlined in the letter from Attorney William J. Foley, we have investigated the construction of a dam built by Ralph Carter of Longmeadow, whose business address is: Highland Knitting Company, 33 Lyman Street, Springfield, Mass. The dam in question is located on Big Brook at a point approximately on the Hampden-Wilbraham town line.

The dam consists of a concrete section comprising the spillway and earthfill on the easterly and westerly portions of the structure. The dam is only 3 to 4 feet in height, forms a pondage of less than one-half million gallons of water, and has a drainage area of 1.1 square miles.

The earthfill on the westerly end of the dam has considerable thickness and stability, while the fill on the easterly end is thin, soft and unsafe. The freeboard of the structure is also too small to provide an adequate safety factor.

It would be advisable to contact the owner of the structure and have the pond drawn down. The pond should not be refilled until plans and specifications of the structure have been filed and approved by your Board in the usual manner, and the dam reconstructed as designed and specified on the approved plans and specifications. Since the drainage area at this dam is over one square mile, I would interpret that the dam comes under your control.

Very truly yours,

George H. McDonnell
County Hydraulic Engineer

November 29, 1951

Mr. John Moriarty,
Glendale Road,
Hampden, Mass.

Dear John:

As you recall, on October 23, 1951, you asked me to obtain some information relative to the dam built by Mr. Ralph Carter on his property adjacent to your own property.

I am enclosing for your information, a copy of a letter from George H. McDonnell, County Hydraulic Engineer, dated November 13, 1951, addressed to the County Commissioners, and a copy of a letter sent by the County Commissioners to Mr. Carter dated November 14, 1951. I hope these letters prove informative.

If there is any further information or assistance I can give you in this matter, please contact me.

Sincerely yours,

COUNSEL FOR THE HAMPDEN
COUNTY COMMISSIONERS

WJF/N
2 encls.

Collins Manufacturing Company Dam aka Wilbraham Paper Corporation Dam

1955 Wilbraham

Dam located across the Chicopee River and upstream of the Miller Street Bridge connecting Ludlow with Wilbraham. See also: County Highways (Wilbraham) - "Dam on Twelve Mile Brook..." - ch11013 & ch11027. See also: County Roads Plan #12 (1956) "Collins Dam - Wilbraham Paper Co".

Abutters	Wilbraham Industrial Park
Bridges	Miller Street Bridge
City/Town	Wilbraham
City/Town	Ludlow
Dam	Wilbraham Paper Corporation Dam
Dam	Collins Dam
Dam	Collins Manufacturing Company Dam
Name	Alchar-Wilbraham Corporation
Name	Collins Manufacturing Company
Name	Wilbraham Paper Corporation
Water	Chicopee River

May 3, 1933

Collins Manufacturing Co.,
North Wilbraham, Mass.

Gentlemen:

In accordance with the provisions of Section 45 of Chapter 253 of the General Laws as amended by Chapter 334 of the Acts of 1923 and as further amended by Chapter 178 of the Acts of 1924 relative to the inspection, condition and safety of the dams of Hampden County, you are notified that your dam, located on the Chicopee River in the Town of Wilbraham, has been inspected by our engineer and your attention is called to the following conditions noted by him;

"There are some minor repairs in the way of planking needed at the north end of the wooden apron attached to this dam."

Any further information concerning this matter which you may desire will be furnished by this office upon request.

Yours very truly,

COUNTY COMMISSIONERS

By_____
Chairman.

_____

_____

C-D

December 9, 1955

Board of Selectmen
Town Office
Ludlow, Mass.

COPY

Gentlemen:

I have recently made an inspection of the Collins Dam now owned by the Wilbraham Paper Corporation, and the river bed in the vicinity of the Collins Bridge across the Chicopee River, and find that the flow of the Chicopee River in passing around the right end of the dam is eating into the right bank of the river and washing sand and gravel downstream.

At the present time the Collins Bridge is not endangered. However, should existing conditions at the Dam continue and the flow of the Chicopee River be directed against the right bank of the river, it is possible that the right river bank can be damaged more and more and that in time damage to the bank may extend sufficiently downstream to endanger the approach to the northerly end of the Collins Bridge, and the foundation of the pier near the 16" water main, bringing the water supply to the Town of Wilbraham.

It would seem in the public interest that steps should be taken to close the breach at the right end of the dam and to return the flow of the Chicopee River to its natural course over the dam in the very near future. The longer that the necessary repairs are delayed, the greater the danger of extended damage and the greater may be the cost of the overall repair work.

Very truly yours,

By_____
George H. McDonnell
County Hydraulic Engineer

GHM/emm

WATER SUPPLY
SEWERAGE
SEWAGE DISPOSAL
STRUCTURAL ENGINEERING

TIGHE & BOND, INC.
CONSULTING ENGINEERS
189 HIGH STREET
HOLYOKE, MASSACHUSETTS
GEORGE H. McDONNELL
PHILIP W. SHERIDAN

DAMS & POWER INSTALLATIONS
HIGHWAYS & BRIDGES
HOUSING DEVELOPMENT
WASTE DISPOSAL

C-D Wilbraham

December 9, 1955

The Hon. the Board of County Commissioners
Hampden County Court House
Springfield, Mass.

Gentlemen:

Enclosed for your information and file purposes is a copy of a letter sent to the Selectmen of Ludlow, relative to conditions at and below the Wilbraham Paper Company Dam across the Chicopee River. Conditions at this dam and downstream from the dam were inspected on Monday of this week.

The enclosed is self-explanatory.

Very truly yours,

George H. McDonnell

George H. McDonnell
County Hydraulic Engineer

GHM/emm
enc.

Letter ~~from~~ to Board of Selectmen, Ludlow Mass.

Re:- Wilbraham Paper Company Dam across the Chicopee River.

Collins Dam

C-D Wilbraham

COPY

December 28, 1955

Wilbraham Paper Co.
Wilbraham,
Mass.

Gentlemen:

On Saturday, December 24, 1955, work was begun by personnel employed by your organization to close the gap at the right end of your dam across the Chicopee River and to thus divert the Chicopee River back over the spillway crest of the dam. Your personnel were contacted by the undersigned and notified to cease all work until such time as proper plans and specifications of the proposed construction could be prepared and filed with the County for review and either approval or recommendation.

We are enclosing herewith for your information and file purposes a copy of Chapter 253 of the General Laws of the Commonwealth of Massachusetts. We call your attention to your letter of September 23rd, 1955, the second paragraph of which reads as follows: "Before repairs are made to the structure and water is ponded again, plans and specifications of the proposed repairs should be filed with the County in accordance with Chapter 253 of the General Laws. A copy of this chapter is enclosed herewith for your information and files."

In case the copy of the General Law having to do with dams hereinabove referred to has been misplaced, we are enclosing another copy for your use.

Will you kindly have an Engineer prepare plans and specifications of the proposed work which you plan to construct for the purpose of closing the gap to the right of your dam. These plans and specifications when complete in all detail should then be filed with the County Commissioners, Court House, Elm Street, Springfield, Mass., together with a petition requesting the County Commissioners to review the plans and specifications and requesting their permission to build the work as shown on the plans and described in the specifications, for the purpose of returning the Chicopee River to its former course over the crest of the dam. The filing fee for plans and specifications is $5.00. This fee should be sent to the County and the check for $5.00 would be made out to Hampden County.

If you have any question whatsoever regarding the procedure as described hereinabove, or if you wish to confer with the undersigned on the proposed construction, please do not hesitate to call this office.

Very truly yours,

Re letter from Mr. McDonnell dated Dec. 29, 1955 to Wilbraham Paper Co.

CHM/emm

George H. McDonnell

December 29, 1955

The Wilbraham Paper Co.
Wilbraham
Mass.

COPY

Attention - Mr. McNeill

Dear Sir:

This will confirm my conversation with you on December 28, 1955, at the site of your plant in Wilbraham.

It was agreed by the undersigned that it would be proper and safe for you to construct a temporary diversion structure across the gap at the right side of your dam by erecting a stone barrier in the breached section of the dam abutment that would raise the water level behind your dam sufficiently high to bring the top of the pond to about the level of the crest of the spillway. By so doing, water will be made available in your canal for operation and fire protection purposes. Also, the water now running through the breach will be diverted so that the breached area will be dried up and a construction road can be built to allow access to the area for a pile-driving piece of equipment.

It is understood that your Engineer will obtain additional data and present this data in the form of sections to the undersigned for review in connection with the proposed permanent construction of a barrier across the breached section to permanently return the Chicopee River to its normal channel of flowing over the crest of your masonry dam.

Very truly yours,

COPY

George H. McDonnell
County Hydraulic Engineer

GHM/emm

PS: This letter voids my letter of 12/28/55. However it has been sent to you and also filed for record purposes.

WATER SUPPLY
SEWERAGE
SEWAGE DISPOSAL
STRUCTURAL ENGINEERING

TIGHE & BOND, Inc.
CONSULTING ENGINEERS
189 HIGH STREET
HOLYOKE, MASSACHUSETTS
GEORGE H. McDONNELL
PHILIP W. SHERIDAN

DAMS & POWER INSTALLATIONS
HIGHWAYS & BRIDGES
HOUSING DEVELOPMENT
WASTE DISPOSAL
C-D Wilbraham

December 29, 1955

The Hon. the Board of County Commissioners
Hampden County Court House
Springfield, Mass.

Gentlemen:

Enclosed for your information and file purposes, please find a copy of a letter sent this date to the Wilbraham Paper Company relative to their dam across the Chicopee River between Ludlow and Wilbraham.

On the afternoon of Saturday, December 24, 1955, the undersigned was informed that work was proceeding at the Dam of the Wilbraham Paper Company and that the owner had engaged personnel to block the gap by simply pushing local sandy material into the gap filling it completely. At that time I immediately contacted the personnel at the Wilbraham Paper Company in charge of the work and directed that the work stop until proper plans and specifications were prepared. This information has also been passed on to the Engineers engaged by the Wilbraham Paper Company for the purpose of laying out and supervising the construction of the work.

The enclosed letter has been sent to the Wilbraham Paper Company in order that they may be properly informed relative to the procedure to follow in repairing their dam.

It is my understanding that the problem of land ownership at this dam has been solved. The Wilbraham Paper Company has come to an agreement with the owner of the land and, from what I have been told, the Wilbraham Paper Company now owns the land to the right of the dam and thus they can enter upon the land to do the necessary work of blocking the gap.

Very truly yours,

George H. McDonnell
County Hydraulic Engineer

GHM/emm
enc.

WATER SUPPLY
SEWERAGE
SEWAGE DISPOSAL
STRUCTURAL ENGINEERING

TIGHE & BOND, INC.
CONSULTING ENGINEERS
189 HIGH STREET
HOLYOKE, MASSACHUSETTS
GEORGE H. McDONNELL
PHILIP W. SHERIDAN

DAMS & POWER INSTALLATIONS
HIGHWAYS & BRIDGES
HOUSING DEVELOPMENT
WASTE DISPOSAL

C-D Wilbraham

December 29, 1955

The Hon. the Board of County Commissioners
Hampden County Court House
Elm Street
Springfield, Mass.

Gentlemen:

Enclosed please find a copy of a letter sent to the Wilbraham Paper Company confirming my conversation with Mr. McNeill of their organization at the site of their plant in Wilbraham on Wednesday, December 28th, 1955. Present at the meeting were Mr. Tupper, an employee of the Paper Company, and also Fire Chief of the Town of Wilbraham. Also present was the Engineer for the Wilbraham Paper Company engaged for the purpose of preparing the plans and specifications.

As a result of our conference, the undersigned gave permission for the erection of a temporary stone diversion structure that would provide adequate fire protection for the industry and some water for operational purposes, while at the same time providing for the erection of a construction road to the site of the washout for the purpose of moving any construction equipment.

A copy of my letter to the Wilbraham Paper Company is enclosed for your information and file purposes. The contents of this letter are self-explanatory.

The Engineer for the Wilbraham Paper Company has agreed to prepare more detailed plans and to confer with me on this in the very near future.

Very truly yours,

George H. McDonnell
County Hydraulic Engineer

ghm/emm
enc.

MEMORANDUM - APRIL 6, 1956 3:00 P.M.

From: William F. Stapleton, Chairman Hampden
County Commissioners.

George H. McDonnell, County Hydraulic Engineer, in a telephone conversation with me, has just informed me that he has, this day, inspected the Wilbraham Paper ~~Company~~ Corporation dam and has informed the Wilbraham Paper ~~Company~~ Corporation in conversation with George D. McNeill, Manager for the ~~Company~~ Corporation, that the owner should commence repairs immediately. The owner refused to make the repairs. Mr. McDonnell told him it would be necessary for the County to make the repairs due to his refusal and that the County would bill the Company for the work. I have authorized Mr. McDonnell to secure for the County a Contractor to commence repairs today, if possible, at the Wilbraham Paper ~~Company~~ Corporation Dam. Mr. McDonnell is to submit a written report to me later today and I will give him written authorization to obtain a Contractor to make the necessary repairs. A registered letter to the Wilbraham Paper ~~Company~~ Corporation is to be sent by me today informing them of the action the County is taking.

Dictated over the telephone by Commissioner Stapleton/N.

WATER SUPPLY
SEWERAGE
SEWAGE DISPOSAL
STRUCTURAL ENGINEERING

TIGHE & BOND, INC.
CONSULTING ENGINEERS
189 HIGH STREET
HOLYOKE, MASSACHUSETTS
GEORGE H. McDONNELL
PHILIP W. SHERIDAN

DAMS & POWER INSTALLATIONS
HIGHWAYS & BRIDGES
HOUSING DEVELOPMENT
WASTE DISPOSAL

CD-Wilbraham

April 6, 1956.

The Hon, the Board of County Commissioners
Hampden County Court House
Elm Street
Springfield, Massachusetts

Gentlemen:

At 10 AM, Friday, April 6, 1956 the undersigned inspected the dam of the Wilbraham Paper Company on the Chicopee River between Wilbraham and Ludlow.

Repairs to the right abutment at this dam have not been started though the steel sheeting is at the site of the work. The water in the Chicopee River is becoming high and with the snow existing on the drainage area, coupled with the possibility of heavy Spring rain, there is a danger that the temporary repair at the right abutment will be either overtopped or washed thru. Also, local runoff from the right bank of the Chicopee River is causing damage to the temporary fill.

It is the opinion of the undersigned that sufficient time has elapsed for the Owner of the dam to begin the more permanent repair work and that since no definite action has been taken by the Owner it is recommended that the County act under Sections 47 and 48 of Chapter 253 of the General Laws and instruct the undersigned to engage a competent Contractor to enter upon the site and do work necessary to make the dam and right abutment area safe.

In my opinion this work should be done immediately and if necessary continued on an overtime basis working thru the weekend at the descretion of the Engineer assigned to the work.

A full time Engineer should be assigned to the project to work with the Contractor, to make engineering decisions and to keep records of labor, materials, tools and equipment charged against the work.

On the date of inspection the undersigned conferred with Mr. McNeill of the Wilbraham Paper Company and as a result

of the conference I feel certain that the Wilbraham Paper Company will not proceed with the work necessary to make the dam and the abutment area safe.

While at the site of the dam this morning the undersigned ordered flashboards removed from the canal spillway and the canal headgates opened wide to allow the passage of the maximum quantity of water.

Respectfully submitted

George H. McDonnell
County Hydraulic Engineer

GHM/cmb

WATER SUPPLY
SEWERAGE
SEWAGE DISPOSAL
STRUCTURAL ENGINEERING

TIGHE & BOND, INC.
CONSULTING ENGINEERS
189 HIGH STREET
HOLYOKE, MASSACHUSETTS
GEORGE H. McDONNELL
PHILIP W. SHERIDAN

DAMS & POWER INSTALLATIONS
HIGHWAYS & BRIDGES
HOUSING DEVELOPMENT
WASTE DISPOSAL

C-D Wilbraham

April 9,1956.

The Hon. the Board of County Commissioners
Hampden County Court House
Springfield, Massachusetts

Gentlemen:

In reference to the Wilbraham Paper Company problem regarding the repair of the Collins Dam, the Brunalle Construction Company, with a field office at Maynard Road, in Wilbraham, and home offices at Southington, Conn., have been engaged in making the temporary repairs and in strengthening the right abutment area in preparation for high water conditions in the Chicopee River.

As you know, the Wilbraham Paper Company have approved plans and specifications for permanent repairs to the abutment area. These repairs had not been started on Friday, April 6, 1956. A conference with Mr. McNeill of the Wilbraham Paper Company indicated that the local concern was unable to make the repairs because of insufficient available funds and, apparently because their home or parent organization refused or has neglected to provide the needed money and the authority to proceed with the work. Conditions as of Friday,April 6,1956 were such that to prevent a failure again at the right abutment area and to protect persons as well as public and private property downstream of the dam, immediate steps were necessary to begin strengthening the abutment area. Refusal of the Wilbraham Paper Company to do the work necessitated our recommendation that the work be carried on in accordance with Sections 47 and 48 of Chapter 253 of the General Laws.

The Brunalle Construction Company was the firm that had agreed to do the work for the Wilbraham Paper Company and also had delivered steel sheeting to the site of the work. Because they could not obtain a written order with a guarantee of Payment to proceed with the work, the Brunalle Construction Company had not begun the repairs to the abutment area. The Brunalle Construction Company is engaged on work on the Toll Road.

Because the Brunalle Construction Company had already been contacted regarding the work and because they had material at the site as well as an ample amount of equipment and personnel immediately available on their nearby Toll Road project, the undersigned contacted the Brunalle Construction Company and requested them to begin work on Friday evening,April 6, 1956 and

The Hon.the Board of County Commissioners
Springfield, Massachusetts

to proceed with the work of making the abutment safe on a force account basis. This office supplied an Inspecting Engineer to instruct the Brunalle personnel on the work to be done and to keep an accounting of the labor, tools, equipment and personnel assigned to the work by the Brunalle Construction Company.

The work done to date has consisted of enlarging the fill at the right abutment area, of repairing surface water wash damage to the temporary fill and of placing sand bags along the edge of the bank to prevent high water from eroding and thus washing out the fill. The elevation of the fill was increased to provide greater freeboard.

The height of the water in the Chicopee River is such that coupled with the potential flood flow due to the snow cover on the drainage area, it would not seem advisable to attempt to drive the steel sheeting cut-off wall at this time and to attempt to place the permanent fill of heavy rock in the abutment area. It would seem more advisable to strengthen the abutment area throughout this past weekend and to maintain the abutment area in a safe condition until the Chicopee River returns to normal flow and the possibility of high rates of runoff from the drainage area will become minimized. This may be a matter of a few weeks.

In the meantime, it is recommended that your Board review this situation in the light of all facts and determine whether or not it is desirable for the County to make the permanent repairs and alterations or whether it is more desirable to remove and breach a section of the dam to eliminate its ability to pond water.

It is my understanding that the financial condition of the Wilbraham Paper Company is poor. Consequently, it may be questionable as to whether or not the County can be repaid by the Paper Company and thus it might be desirable to follow the least expensive course of maintaining the right abutment for a number of weeks and then open the dam by breaching a section of the masonry. If this is considered, the loss of the pond will undoubtedly result in the closing of the industry since I would assume that process water and power would be reduced if not entirely eliminated. A detailed study of the industry and its canal system with related appurtenances would be needed to determine the effect of the loss of the pond on the plant.

CD Wilbr.

The Hon. the Board of County Commissioners
Springfield, Massachusetts

April 9,1956

As planned now, I will be at your office on Wednesday morning at about 11 A.M. to discuss this matter with you if you so desire.

Very truly yours

George H. McDonnell
County Hydraulic Engineer

GHM/cmb

WATER SUPPLY
SEWERAGE
SEWAGE DISPOSAL
STRUCTURAL ENGINEERING

TIGHE & BOND, INC.
CONSULTING ENGINEERS
189 HIGH STREET
HOLYOKE, MASSACHUSETTS
GEORGE H. McDONNELL
PHILIP W. SHERIDAN

DAMS & POWER INSTALLATIONS
HIGHWAYS & BRIDGES
HOUSING DEVELOPMENT
WASTE DISPOSAL

CD-Wilbraham

April 9, 1956.

The Hon. the Board of County Commissioners
Hampden County Court House
Springfield, Massachusetts

Gentlemen:

Enclosed I am submitting to you a copy of a communication sent to the Wilbraham Paper Company on April 6, relative to flashboard pins at their dam and canal. The enclosed is self explanatory.

Very truly yours

Tighe & Bond, Inc.

George H. McDonnell
Chief Engineer

Enc.
GHM/cmb

WATER SUPPLY
SEWERAGE
SEWAGE DISPOSAL
STRUCTURAL ENGINEERING
ELECTRICAL ENGINEERING

TIGHE & BOND, INC.
CONSULTING ENGINEERS
BOWERS AND PEQUOT STREETS
HOLYOKE, MASSACHUSETTS
TEL. JEFFERSON 3-3991
GEORGE H. McDONNELL
PHILIP W. SHERIDAN

DAMS & POWER INSTALLATIONS
HIGHWAYS & BRIDGES
HOUSING DEVELOPMENT
WASTE DISPOSAL

April 9, 1958

The Hon. the Board of County Commissioners
Hampden County Court House
Springfield, Mass.

Gentlemen:

A recent inspection was made of the dam across the Chicopee River now or formerly owned by the Wilbraham Paper Corporation of North Wilbraham, Mass. This dam is situated just upstream from the bridge connecting Ludlow with Wilbraham at Miller Street.

The right or northerly abutment of the dam is in Ludlow while the south and left abutment of the dam is at the canal head-works and is in Wilbraham.

The right abutment was damaged in the flood of Aug.19,1955 and since that time only temporary repairs have been made to the abutment area to return the flow of the Chicopee River back to its normal course over the crest of the dam. At one time shortly following the flood of August 1955 the Owner of the dam planned permanent repairs with proper fill, interlocked steel sheet piling and heavy stone riprap. This construction was never carried out. Loose sand fill was replaced in the washout abutment area and sand bag protection was placed along the face of the fill at the shore of the river.

At the present time the fill is being washed away as the result of the seasonal high water. Sand bags have rotted out and there is no further protection from the scouring of the river waters against the granular fill placed at the right abutment.

It is recommended that the Owner be notified again of the need for permanent repairs to the right abutment of this dam and that he be ordered to take steps to immediately carry out the permanent repairs. The emergency repairs should be made as soon as possible by the placing of riprap along the river face of the temporary fill to prevent further scouring of the granular material.

Permanent repairs should be carried out in accordance with approved plans and specifications.

Respectfully submitted

George H. McDonnell
County Hydraulic Engineer

GHM/cmb

WATER SUPPLY
SEWERAGE
SEWAGE DISPOSAL
STRUCTURAL ENGINEERING

TIGHE & BOND, INC.
CONSULTING ENGINEERS
189 HIGH STREET
HOLYOKE, MASSACHUSETTS
GEORGE H. McDONNELL
PHILIP W. SHERIDAN

DAMS & POWER INSTALLATIONS
HIGHWAYS & BRIDGES
HOUSING DEVELOPMENT
WASTE DISPOSAL

CD Wilbraham

April 10, 1956

The Hon. the Board of County Commissioners
Hampden County Court House
Springfield, Massachusetts

Gentlemen:

Enclosed for your information and file purposes please find a copy of a letter sent this date to the Wilbraham Paper Company, relative to flashboards on their Collins Dam. The enclosed is self explanatory.

Very truly yours

Tighe & Bond, Inc.

George H. McDonnell
Chief Engineer

Enc.
GHM/cmb

WATER SUPPLY
SEWERAGE
SEWAGE DISPOSAL
STRUCTURAL ENGINEERING

TIGHE & BOND, INC.
CONSULTING ENGINEERS
189 HIGH STREET
HOLYOKE, MASSACHUSETTS
GEORGE H. McDONNELL
PHILIP W. SHERIDAN

DAMS & POWER INSTALLATIONS
HIGHWAYS & BRIDGES
HOUSING DEVELOPMENT
WASTE DISPOSAL

CD Wilbrah.

April 10,1956

The Hon. the Board of County Commissioners
Hampden County Court House
Elm Street
Springfield, Massachusetts

Gentlemen:

Enclosed for your information and file purposes please find a copy of a letter sent to Brunalle Constructing Company relative to repairs to the Collins dam of the Wilbraham Paper Company. The contents of this letter are self explanatory.

Very truly yours

Tighe & Bond, Inc.

George H. McDonnell
County Hydraulic Engineer

Enc.
GHM/cmb

WATER SUPPLY
SEWERAGE
SEWAGE DISPOSAL
STRUCTURAL ENGINEERING

TIGHE & BOND, INC.
CONSULTING ENGINEERS
189 HIGH STREET
HOLYOKE, MASSACHUSETTS
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PHILIP W. SHERIDAN

DAMS & POWER INSTALLATIONS
HIGHWAYS & BRIDGES
HOUSING DEVELOPMENT
WASTE DISPOSAL

CD-Wilbraham

April 13, 1956

The Hon. the Board of County Commissioners
Hampden County Court House
Elm Street
Springfield, Massachusetts

Gentlemen:

In accordance with your request I have reviewed the work quantities required, based upon the approved Plans and Specifications for the repair of the right abutment area at the Chicopee River dam of the Wilbraham Paper Company known as the Collins Dam, and report as follows:

Three major work items are involved in the proposed reconstruction. The breached area, now temporarily closed, would be permanently closed by constructing a steel sheet cut-off wall driven 8 to 10 feet into undisturbed ground and rising to an elevation above the crest of the dam of about 8 feet, more or less. On both upstream and the downstream sides of the water tight sheeting would be placed a combination of earth and heavy rock fill. Certain grading would be necessary and access road embankment would be constructed.

The estimated quantity and cost of the permanent work would be as follows:

(a) Steel sheeting furnished and driven in place - $12,000.

(b) 6,000 tons of heavy rock fill furnished and placed @ $4.00/per ton - 24,000.

(c) 3,000 yards of select fill furnished and placed @ $1.50/per cu.yd. - 4,500.

Total estimated cost - $40,500.

It is possible that the cost of this project could be reduced somewhat. However, much of the fill now in place must be removed after the sheeting is driven and there is a considerable amount of general grading and rip-rapping to protect the right bank of the Chicopee River between the new construction and the Collins Bridge northerly abutment.

All of this work is included in the unit prices for the earth and the rock items.

In general, there are many unforseen problems that can occur and could nulify any reduction in cost that can be realized thru efficient construction methods and low bid prices. Based upon our above estimate it would seem necessary to plan on an expenditure of at least $35,000 and probably nearer $40,000, not including engineering inspection and construction supervision. This latter cost could approximate $1,000.

During the weekend of April 6-7 and 8 the Brunalle Construction Company thru its Superintendent, Henry Borovicka, made temporary emergency repairs and improvements to the right abutment area to protect the structure from reoccurrence of the August failure should high water in the Chicopee River approach the abutment surface level. This work was requested by the undersigned and directed to be carried out by your Board. Since Brunalle Construction Company was available at the site and had already been engaged by the Wilbraham Paper Company for the work, we engaged them for the County on a force account basis. We provided a construction engineer as an inspector to direct the work and to keep a record of the labor, materials, tools and equipment used by the Contracfor.

Over the weekend the abutment area was made safe for the time being but permanent repairs should be made to the Collins Dam right abutment area immediately after the heavy Spring runoff has passed. If the Wilbraham Paper Company will not undertake these repairs, then they should be done under the provisions of the pertinent sections of Chapter 253 of the General Laws of the Commonwealth of Massachusetts, or the dam should be breached or lowered in its masonry section so as to allow for the safe passage of the flow of the Chicopee River during all periods of runoff.

There is another problem to be faced should it be decided to breach the dam instead of making permanent abutment repairs. Breaching of the dam could probably be accomplished for a very small fraction of the cost of permanent repairs. However, breaching of the dam would eliminate the pond behind the dam and thus eliminate process water and water power for the industry. The result of breaching the dam could mean the closing of the industry and the loss of employment to the personnel employed therein. It was learned from the company that there are 60 to 70 persons employed by the Wilbraham Paper Company and that from 30 to 40 persons are employed by other industries in the building. Thus, loss

The Hon. the Board of County Commissioners
Springfield, Massachusetts

CD-Wilbraham
April 13,1956

of process water and water power might eliminate over 100 jobs. Most of these people are probably citizens of Wilbraham and Ludlow.

Respectfully submitted

George H. McDonnell
County Hydraulic Engineer

GHM/cmb

North Wilbraham, Mass.
May 8, 1956

Tighe & Bond
Holyoke
Mass.

Attention Mr. George McDonnell

Dear Mr. McDonnell:

I was terrifically concerned over our telephone conversation last week in regard to the stalemate in connection with the Collins dam on the Ludlow side.

My property is located directly below this dam, which you know has been severely damaged during the August flood, to the extent of losing my entire possessions.

On December 15th great pressure was brought to bear by the selectmen to dispose of the adjoining land to the Wilbraham Paper Co., so that repairs could be made to close the breach. With great reluctance on my part, I was forced by the selectmen to either sell or permit them to seize the property through eminent domain, at which time the repairs would be done properly in accordance with plans and specifications approved by the Hampden County Engineers, which of course is your office. The reason for my reluctance was that I felt that with the breach open, no reservoir could buildup, and with the natural flow of the river past my property, I had little fear of another flood.

The land was sold at a nominal figure to the Wilbraham Paper Co., which proceeded immediately to fill in the gap with gravel fill, taken from the side of the hill, and to erect high flash boards, building a tremendous reservoir of water against this very temporary gravel filled bank. This was exactly what we had feared they would do.

When the water in the river began to rise to a dangerous level this spring, and the Boston Post Road was flooded over at Palmer, I noticed that the gravel bank was starting to wash away. I immediately went over to see the owners of the mill, and they informed me that they had no intention of putting the steel core in, as originally agreed upon. I called your office and you came over at once, and started to reinforce the gravel bank with sand bags and more fill, which no doubt prevented me from being washed out again. Many thanks.

However, no further action has been taken since that time. I learned from you during our conversation that a threat had been made by the mill to the County Commissioners and to the Commerce Department of the State that if the dam is partially opened in the interest of safety, the mill would be forced to close and throw 100 employees out of work.

In the first place, I doubt very much if they have 100 employees. There are a number of employees working in the buildings of the Wilbraham Paper Co., employed by tenants who purchase their power from Worcester County Electric Co. Wilbraham Paper Co. can do likewise, but the cost of electricity would be greater than running from free power from water wheels.

I was the owner and manager of the paper mill for twelve years, and I recall many times, especially during the 1938 hurricane and flood, that we were without dam or canal for over a year, which your own records will verify, and we still operated the mill without losing a single day, which proves that the Wilbraham Paper Co. has been making a childish threat based on "What have I got to lose?"

All that is required for the operation of a paper mill is sufficient water for processing, and there is always sufficient water in the canal for operation. However, if they expect to get free power, that is another question. All the operations can continue with outside purchase of power and a lesser amount of water in the canal for processing.

This matter is extremely urgent and requires immediate attention. If I can be of any service to you, please advise me.

Very truly yours,

Paul C. Bast

Paul C. Bast

WATER SUPPLY
SEWERAGE
SEWAGE DISPOSAL
STRUCTURAL ENGINEERING

TIGHE & BOND, INC.
CONSULTING ENGINEERS
189 HIGH STREET
HOLYOKE, MASSACHUSETTS
GEORGE H. McDONNELL
PHILIP W. SHERIDAN

DAMS & POWER INSTALLATIONS
HIGHWAYS & BRIDGES
HOUSING DEVELOPMENT
WASTE DISPOSAL

C.D.-Wilbraham

May 11, 1956

The Hon The Board of County Commissioners
Hampden County Court House
Elm Street
Springfield, Massachusetts

Gentlemen:

Enclosed for your information and file purposes is a letter received from Paul C. Bast together with a copy of this same letter. Mr. Bast has been concerned over the delay by the Wilbraham Paper Company in making permanent repairs to the right abutment of their dam across the Chicopee River. The enclosed letter is self explanatory.

On the top of the second page Mr. Bast refers to the attitude of the mill as a threat to your Board and the Conservation Department that breaching of the dam would force a closure of the mill and loss of work of the employees. Mr. Bast goes on to claim that the mill can function without the dam.

If the mill continues to refuse to take action in regard to permanently repairing the abutment, it would seem advisable to investigate the power needs and the water requirements of this plant and the tennants in order to determine the exact necessity of the dam to the operation of the industries.

Very truly yours,

George H. McDonnell
County Hydraulic Engineer

GHM/mdb

Enclosures

Received in Hampden County Comms' Office on May 14, 1956.

WATER SUPPLY
SEWERAGE
SEWAGE DISPOSAL
STRUCTURAL ENGINEERING
ELECTRICAL ENGINEERING

TIGHE & BOND, INC.
CONSULTING ENGINEERS
~~189 HIGH STREET~~
HOLYOKE, MASSACHUSETTS
GEORGE H. McDONNELL
PHILIP W. SHERIDAN

DAMS & POWER INSTALLATIONS
HIGHWAYS & BRIDGES
HOUSING DEVELOPMENT
WASTE DISPOSAL

NOTE: OUR NEW ADDRESS
BOWERS AND PEQUOT STREETS
HOLYOKE, MASSACHUSETTS

OD - Wilbraham
June 22, 1956

The Hon. The Board of County Commissioners
Hampden County Court House
Springfield Mass.

Gentlemen:

A recent inspection of the Wilbraham Paper Company dam shows the flashboards in place in spite of our request that these flashboards be removed and kept off of the dam until a definite solution had been reached regarding permanent repairs to the structure. The enclosed letter is self-explanatory.

Very truly yours,

George H. McDonnell
County Hydraulic Engineer

GHM/f

WATER SUPPLY
SEWERAGE
SEWAGE DISPOSAL
STRUCTURAL ENGINEERING
ELECTRICAL ENGINEERING

TIGHE & BOND, INC.
CONSULTING ENGINEERS
~~189 HIGH STREET~~
HOLYOKE, MASSACHUSETTS
GEORGE H. McDONNELL
PHILIP W. SHERIDAN

DAMS & POWER INSTALLATIONS
HIGHWAYS & BRIDGES
HOUSING DEVELOPMENT
WASTE DISPOSAL

NOTE: OUR NEW ADDRESS
BOWERS AND PEQUOT STREETS
HOLYOKE, MASSACHUSETTS

CD-Chicopee

July 11, 1956.

The Hon. the Board of County Commissioners
Hampden County Court House
Springfield, Massachusetts

Gentlemen:

On July 10, 1956, I inspected the dam of the Wilbraham Paper Company on the Chicopee River, between Wilbraham and Ludlow. The flashboards have been removed from this dam as directed by your Board. This provides additional safety at the dam and reduces the danger of another washout at the right abutment.

The right abutment is still in an unsatisfactory condition since the fill now in place is simply a temporary plug to return the flow of the Chicopee River to its normal course over the dam. A permanent construction at the right abutment is still a necessity.

It might be advisable to contact the Owners of the Wilbraham Paper Company dam and request a conference with them to determine what action they intend to take on permenantly repairing the dam abutment. This is the season of the year when repairs should be made and within another two months the Fall stormy season will again bring high water and a dangerous condition could exist at this dam if construction of a permanent nature is attempted at that time.

Very truly yours

George H. McDonnell
County Hydraulic Engineer

GHM/cmb

Rec'd-august 30/56

WATER SUPPLY
SEWERAGE
SEWAGE DISPOSAL
STRUCTURAL ENGINEERING
ELECTRICAL ENGINEERING

TIGHE & BOND, INC.
CONSULTING ENGINEERS
BOWERS AND PEQUOT STREETS
HOLYOKE, MASSACHUSETTS
GEORGE H. McDONNELL
PHILIP W. SHERIDAN

DAMS & POWER INSTALLATIONS
HIGHWAYS & BRIDGES
HOUSING DEVELOPMENT
WASTE DISPOSAL

CD - Wilbraham
August 29, 1956

The Hon. The Board of County Commissioners
Hampden County Court House
Elm Street
Springfield, Mass.

Gentlemen:

The undersigned met with Mr. McNeill of the Wilbraham Paper Co. and representatives of the parent company owning this paper mill at 11:00 a.m. on Wednesday, August 22, 1956, to discuss the dam on the Chicopee River and the necessary repairs to this dam. At the discussion I pointed out again to those present that as now existing the right abutment area is not safe and that extreme high water could probably cause a second washout in the abutment area and the possibility of major damage downstream, particularly to the Wilbraham-Ludlow bridge, as well as privately owned property. I suggested that the owners of the mill have their own engineers look into the problem of repairing the dam and that they give consideration to other possible solutions, even the lowering of the crest of the dam to increase the capacity of the dam to pass flood flows.

Recently in the press I have read that the Wilbraham Paper Co. will close for a period of two weeks and then re-open. This morning I read where the Wilbraham Paper Co. has actually closed and that it is apparently to be sold to the Marcalus Mfg. Co. who will re-open the mill in the near future. I thought I would call this change in ownership to your attention in order that proper steps can be taken by the County to be reimbursed for funds already expended at the abutment of the paper mill dam.

Do you think it advisable that the new owners of the mill be notified of the condition of the dam and the fact that there is a claim by the County for work already done and that additional work must be completed to make the dam safe?

Yours very truly,

George H. McDonnell
County Hydraulic Engineer

GHM/f

WATER SUPPLY
SEWERAGE
SEWAGE DISPOSAL
STRUCTURAL ENGINEERING
ELECTRICAL ENGINEERING

TIGHE & BOND, INC.
CONSULTING ENGINEERS
BOWERS AND PEQUOT STREETS
HOLYOKE, MASSACHUSETTS
TEL. JEFFERSON 3-3991
GEORGE H. McDONNELL
PHILIP W. SHERIDAN

DAMS & POWER INSTALLATIONS
HIGHWAYS & BRIDGES
HOUSING DEVELOPMENT
WASTE DISPOSAL

CD Wilbraham
June 18, 1958

The Hon. the Board of County Commissioners
Hampden County Court House
Elm Street
Springfield, Mass.

Gentlemen:

Reference is made to the letter dated June 2,1958 from the Alchar-Wilbraham Corp., of No. Wilbraham, Mass., pertaining to repairs to the right abutment of their dam located in the Chicopee River, upstream of the Ludlow-Wilbraham bridge.

Mr. George McNeill, Manager of the Company states that they are attempting to bring the dangerous condition somewhat under control immediately and that they are in the process of purchasing large stone to dump on the face of the granular fill to prevent its further washing away. Mr. McNeill states that the job should be completed before the Summer is over.

I have reviewed the site of the dam again and during the past few weeks I note that no work has been done except the dumping of a small quantity of stone on top of the abutment section. This stone is simply piled up as it was dumped from the vehicle and no attempt has been made to place the stone nor to provide sufficient quantities of stone so that the work can be completed at an early date.

It does not seem unreasonable to request the Owner to immediately place the stone riprap along the bank of the river and to complete the permanent repairs before the Summer is over.

Very truly yours

George H. McDonnell
County Hydraulic Engineer

GHM/cmb

Commonwealth of Massachusetts

County of Hampden

Springfield, Mass.

Office of the
County Commissioners
37 Elm Street

William F. Stapleton
Chairman
Thomas F. Sullivan
Ralph P. Walsh

June 11, 1958

Wilbraham-Alchar Corp.,
North Wilbraham, Mass.

Att: Geo. E. McNeill,
Manager

Gentlemen:

On April 16, 1958 this Board wrote to you regarding needed improvements to the right abutment of your dam located across the Chicopee River and upstream of the Miller St. bridge connecting Ludlow with Wilbraham. In our letter we asked you to kindly notify our Board of your proposed schedule for the construction of the permanent abutment work and also to notify this Board of action planned for the temporary control of erosion now taking place at the granular abutment fill.

As of this present day we have not heard from you in answer to our request of April 16, 1958. Will you kindly notify this Board, by return mail, of what action you plan to take in connection with the permanent repair needed at the right abutment and as directed by this Board.

Very truly yours

BOARD OF COUNTY COMMISSIONERS

By_____

_____

_____

WATER SUPPLY
SEWERAGE
SEWAGE DISPOSAL
STRUCTURAL ENGINEERING
ELECTRICAL ENGINEERING

TIGHE & BOND, INC.
CONSULTING ENGINEERS
BOWERS AND PEQUOT STREETS
HOLYOKE, MASSACHUSETTS
TEL. JEFFERSON 3-3991
GEORGE H. McDONNELL
PHILIP W. SHERIDAN

DAMS & POWER INSTALLATIONS
HIGHWAYS & BRIDGES
HOUSING DEVELOPMENT
WASTE DISPOSAL

CD Wilbraham
June 9, 1958

The Hon. the Board of County Commissioners
Hampden County Court House
Elm St.
Springfield, Mass.

Gentlemen:

Reference is made to my recent letter to you in connection with the dam of the Alchar Wilbraham Corporation, formerly the Wilbraham Paper Company. I have received a copy of the letter dated June 2, 1958, wherein the owner of the dam acknowledges your letter of April 16, relative to needed repairs to the right abutment.

In view of this letter from the owner, it would seem advisable not to send the letter discussed in my communication to you. I will make an inspection of this dam within the next few days and if progress on the temporary repairs is not satisfactory, I will so notify you and a new letter can be sent to the Alchar Wilbraham Corporation.

Very truly yours,

George H. McDonnell
County Hydraulic Engineer

GHM/f

WATER SUPPLY
SEWERAGE
SEWAGE DISPOSAL
STRUCTURAL ENGINEERING
ELECTRICAL ENGINEERING

TIGHE & BOND, INC.
CONSULTING ENGINEERS
BOWERS AND PEQUOT STREETS
HOLYOKE, MASSACHUSETTS
TEL. JEFFERSON 3-3991
GEORGE H. McDONNELL
PHILIP W. SHERIDAN

DAMS & POWER INSTALLATIONS
HIGHWAYS & BRIDGES
HOUSING DEVELOPMENT
WASTE DISPOSAL

June 5, 1958

The Hon. the Board of County Commissioners
Hampden County Court House
Elm Street
Springfield, Mass.

Gentlemen:

At the time of my last inspection of the right abutment at the dam across the Chicopee River, between Ludlow and Wilbraham and just upstream of the Miller Street bridge, formerly owned by the Wilbraham Paper Company, no improvement had been made to the area of the right abutment damaged in the flood of August 1955 and subsequently temporarily repaired thru action of your Board. This right abutment area has been filled with a granular material that will easily wash out if the abutment area is again topped by flood water. Also, the shore area of the fill was formerly protected by a wall or a paving of sand bags. The cloth of the sand bags has now rotted away and there is little or no paving to protect the granular fill from scour by high velocity water.

On April 16, 1958, your Board sent a letter to the owner of the dam directing that action be taken to begin the construction of the permanent abutment in accordance with plans and specifications now approved or as may be revised with your approval. You also asked the owner to notify your Board of the proposed schedule for the construction of the permanent abutment work and also any action planned for the temporary control of erosion now taking place along the shoreline.

When last inspected, two weeks ago, the only indication that the owner was contemplating any improvements to the right abutment was the presence of a small load of riprap material dumped on top of the abutment fill. It is recommended that a letter be written to the owner and that his attention be called to your letter of Apr.16 and that you request again that he file with your Board his proposed schedule for the construction of the permanent abutment at this dam.

Very truly yours

George H. McDonnell
County Hydraulic Engineer

GHM/cmb

ALCHAR WILBRAHAM CORPORATION
NORTH WILBRAHAM, MASSACHUSETTS
TELEPHONE: NORTH WILBRAHAM 200

ADDRESS REPLIES TO

EXECUTIVE OFFICES:
6511 TONNELLE AVENUE,
NORTH BERGEN, N. J.
TELEPHONE: UNION 7-6540

June 2,1958

Office of The County Commissioners
37 Elm St.
Springfield, Mass.

Gentlemen:

To acknowledge your letter of April 16th relative to our dam located on Chicopee River, please be advised that we are attempting to bring the dangerous condition somewhat under control immediately. We are in the process of purchasing large stone to dump on the face of the granular fill to prevent its further washing away. This job should be completed before the summer is over.

Very truly yours,

ALCHAR WILBRAHAM CORP.

Geo. D McNeill

George D.McNeill, Mgr.

Copy of this letter mailed to George H. McDonnell, County Hydraulic Engineer, on June 5, 1958.

WATER SUPPLY
SEWERAGE
SEWAGE DISPOSAL
STRUCTURAL ENGINEERING

TIGHE & BOND, INC.
CONSULTING ENGINEERS
189 HIGH STREET
HOLYOKE, MASSACHUSETTS
GEORGE H. McDONNELL
PHILIP W. SHERIDAN

DAMS & POWER INSTALLATIONS
HIGHWAYS & BRIDGES
HOUSING DEVELOPMENT
WASTE DISPOSAL

C-D

January 4, 1956

The Hon. the Board of County Commissioners
Hampden County Court House
Elm Street
Springfield, Mass.

Gentlemen:

Enclosed for your information and file purposes are copies of letters sent this date to the Wilbraham Paper Company and the General Package Division of the Diamond Match Company in Thorndike, relative to repairs at the abutments of their dams.

The enclosed letters are self-explanatory.

Very truly yours,

By George H. McDonnell
George H. McDonnell
County Hydraulic Engineer

GHM/emm
encs.

Wilbraham Paper Co. letter filed in folder 108-1955

General Package division Diamond Match Company letter filed in folder 103-1955

Copies of letters dated Jan. 13, 1956 and January 31, 1956 from George H. McDonnell, County Hydraulic Engineer, to Wilbraham Paper Company, Wilbraham, Mass., in re: Collins Dam,- filed in folder petition 108 in 1955. Also copy of letter dated January 4, 1956 filed in folder.

WATER SUPPLY
SEWERAGE
SEWAGE DISPOSAL
STRUCTURAL ENGINEERING

TIGHE & BOND, INC.
CONSULTING ENGINEERS
189 HIGH STREET
HOLYOKE, MASSACHUSETTS
GEORGE H. McDONNELL
PHILIP W. SHERIDAN

DAMS & POWER INSTALLATIONS
HIGHWAYS & BRIDGES
HOUSING DEVELOPMENT
WASTE DISPOSAL

C-D Wilbraham

March 20, 1956

The Hon. the Board of County Commissioners
Hampden County Court House
Springfield, Mass.

Gentlemen:

With the snow fall that has occurred during the past four days and the possibility of warm weather and warm spring rains occurring within the next week or two, I feel concerned over the conditions existing at the dam of the Wilbraham Paper Company across the Chicopee River between Ludlow and Wilbraham and located immediately upstream of the Collins Bridge.

The breach to the right of the masonry dam was allowed to be closed with a temporary earth dike for the purpose of diverting the flow of the river over the masonry dam and to thus provide water for plant operation and fire protection purposes. It was agreed by the Owner that the temporary closure would be made permanent with the installation of driven steel sheathing and the placement of a proper embankment at both the upstream and the downstream side of the sheathing.

The sheathing has arrived at the site of the work but has not as yet been placed. Final plans and specifications for its installation and for its embankment have not been approved.

It is recommended that the owner be asked to expedite the preparation of final plans and specifications and that the work of driving the sheathing and the installation of proper embankment material will be started this week.

I wish to point out that in my opinion the installation of steel sheathing in the present embankment is not, in itself, a guarantee that the breach will not be washed open by possible spring flood water. The soil in the breach fill is a sandy granular material. Minutes after flood waters overtop the sheeting and this material, the embankment will be washed away and the sheeting either bent over and destroyed or washed out. If the downstream side of the fill is a heavy rock material of massive section, flood waters cascading over this embankment could not wash it flat in a matter of minutes. In fact, flood waters might not damage it at all. However, should the flood waters be high enough, washing out of this fill would be a slow and progressive process that would not cause the sudden release of the ponded water.

It is also recommended that the Owner keep all flashboards and flashboard pins off of the dam until the Chicopee River drainage area is clear of all snow cover and the danger of April warm rains has passed.

Very truly yours,

By G H McDonnell
George H. McDonnell
County Hydraulic Engineer

GHM/emm

March 22, 1956

Wilbraham Paper Corporation,
North Wilbraham,
Massachusetts.

Gentlemen:

We enclose copy of a letter of report from our County Hydraulic Engineer, Mr. George H. McDonnell. We call your attention to the fourth paragraph of his letter in which he recommends that the work of driving the sheathing and the installation of proper embankment material be started this week. Because some days will elapse before the final plans and specifications are actually approved, we request that you contact our Hydraulic Engineer and obtain from him authorization to commence the work recommended by him.

We have received your plans and specifications and have forwarded them to Mr. McDonnell for his appoval and it is expected that we will formally approve them at our meeting next week.

We call your attention to the last paragraph of Mr. McDonnell's letter and we ask you to keep all flashboards and flashboard pins off of the dam until the Chicopee River drainage area is clear of all snow cover and the danger of April warm rains has passed.

Very truly yours,

HAMPDEN COUNTY COMMISSIONERS

By_____
Chairman.

WFS/N
encl.

copy of this letter sent to
George H. McDonnell, County
Hydraulic Engineer.

COPY

CD Wilbraham

March 26, 1956

The Hon. the Board of County Commissioners
Hampden County Court House
Elm Street
Springfield, Massachusetts

Gentlemen:

Enclosed herewith is my report on the review of the plans and specifications for repair of the washout around the northerly abutment of the Collins Dam now owned by the Wilbraham Paper Company.

The Owner of the property located downstream of the dam and the Collins Bridge on the northerly shore of the Chicopee River has called twice or more via phone to request that the abutment fill be kept as high as possible to protect a future washout from occurring northerly of the north abutment. He feels that damage to his property has resulted from the August 1955 washout and will again result from any water passing over or thru the new construction. I believe he would like to see the top of the new construction built up as high or higher than the south dike.

If this were done, in my opinion, it would also be necessary to raise the south dike. I believe that with the new construction as proposed, complete with a substantial quantity of heavy riprap, the added 75 feet of spillway will be sufficient for design flood flows., If the Wilbraham Paper Company does not wish to place extremely heavy fill consisting of large rock, but would rather use earth, I would then recommend the new fill be constructed considerably higher and that the south dike be raised as necessary. It is important that the south dike be maintained during any possible flood.

Respectfully submitted

George H. McDonnell
County Hydraulic Engineer

Enc.
GHM/cmb

COPY

April 6,1956.

Wilbraham Paper Company
Wilbraham, Massachusetts

Gentlemen;

In accordance with the Provisions of Sections 47, 48 and all other pertinent Sections of Chapter 253 of the General Laws of Massachusetts, the County of Hampden acting thru the Board of County Commissioners is hereby notifying you that because of your refusal or neglect to take proper precautions to protect your dam and to properly repair the right abutment, such work will now be done by construction forces and engineering personnel under the direction of the County and that the cost of all work thereof shall be borne by your organization.

The necessary repairs and related construction work will begin immediately.

Very truly yours

BOARD OF COUNTY COMMISSIONERS

_____

_____

_____

COPY

C.D.-Wilbraham

April 6, 1956

Wilbraham Paper Company
North Wilbraham, Massachusetts

Attention Mr. McNeill, Manager

Dear Sir:

This is to notify you that upon inspection of your dam on the afternoon of Friday, April 6, 1956, it was noted that the flashboards are still in place on the side spillway of your canal. On the morning of April 6, 1956, you promised the undersigned that these flashboards would be removed from the canal spillway to provide extra capacity for the passing of high flows in the Chicopee River.

Kindly remove these flashboards immediately, and do not replace these flashboards upon the canal spillway nor replace any flashboards on the main dam until written approval is obtained from the county. If flashboards have not been removed from the main dam through your own action or by action of the heavy flows, these flashboards must be removed as soon as it is possible to reach them on the main dam spillway.

Very truly yours,

George N. McDermell
County Hydraulic Engineer

GNM/mdb

COPY

CD-Wilbraham

April 9, 1956

Brunalle Construction Co.,
Maynard Road
North Wilbraham, Massachusetts

COPY

Att: Henry Borovicka

Gentlemen:

This will confirm our verbal conversation with you both by phone and at the site of the work regarding repairs to the dam of the Wilbraham Paper Company, on the Ludlow side of the Chicopee River. On Friday, April 6,1956 you were instructed to send personnel, equipment, tools and materials to the right abutment of the dam and to strengthen the temporary fill by the use of local earth borrow, by furnishing and placing sand bags along the shore of the River and by the use of riprap, if necessary, to protect the fill from high water in the Chicopee River.

The more permanent repairs which would include the driving of steel sheeting and the furnishing and placing of heavy stone fill is to be held up and will not proceed until more advantageous river conditions are prevalent.

Since it can be expected that river conditions will remain high for a number of weeks, a written order to proceed with the furnishing and placing of steel sheeting, as well as other permanent materials, will be given in advance of the work when and if the Commissioners of Hampden County direct that this phase of the work shall proceed.

The work that you have done and the work that you will be doing to maintain the Ludlow embankment will be at the direction of the undersigned and for the County of Hampden. Invoices for work performed and materials furnished and placed should be sent to the undersigned for review and approval.

COPY

Very truly yours

George H. McDonnell
County Hydraulic Engineer

GHM/cmb

CD- Wilbraham

April 10, 1956

COPY

Wilbraham Paper Co.,
North Wilbraham, Mass.

Att. Geo. D. McNeill, Mgr.

Gentlemen:

We have made a review of the Flashboard pin design at your dam on the Chicopee River between Ludlow and Wilbraham. This review was based upon information supplied the undersigned in your letter of Mar. 27, 1956. From a review of the design and from an inspection in the field it is our conclusion that the flashboard pin arrangement should be altered to guarantee failure of the flashboard system at a reasonable height of water in the pond. Changes in the flashboard pins should be co-ordinated with the construction work on the right abutment area.

When the high water season has passed we would then request that before your flashboards are replaced on the dam, a discussion and conference be held with the undersigned regarding pipe size, flashboard height and general operating procedure.

Until the danger of high water in the Chicopee River has passed and until the permanent repairs to the right abutment area have been completed, flashboards must not be replaced on your dam.

Very truly yours

George H. McDonnell
County Hydraulic Engr

GHM/cmb

COPY

CD Ludlow
June 20, 1956

Board of Selectmen
Town Office
Chestnut Street
Ludlow, Mass.

Gentlemen:

In reference to the dam of the Wilbraham Paper Company just upstream of the Collins Bridge, temporary repairs have been made to the right side of this dam. These repairs will provide sufficient stability to the structure for the present time and during the coming weeks it is the intent of the County officials to carry on conferences with the owner of the dam or his representatives to determine whether or not the dam is to be permanently repaired or lowered so as to prevent the ponding of a major quantity of water.

If you have any question on this matter, I will be glad to discuss it with you.

Very truly yours,

George H. McDonnell
County Hydraulic Engineer

GHM/f

FIGHE & BOND

CD - Wilbraham
June 22 1956

COPY

Wilbraham Paper Company
North Wilbraham
Massachusetts

Gentlemen:

Will you kindly notify the undersigned by return mail when the flashboards on your dam located on the Chicopee River between Wilbraham and Ludlow will be removed, pending action on a permanent repair to your dam abutment or an alteration and lowering of the dam itself.

Very truly yours,

COPY

George H. McDonnell
County Hydraulic Engineer

GHM/f

July 18,1956

George D. McNeil, Manager,
Wilbraham Paper Corporation,
North Wilbraham, Mass.

Dear Mr. McNeil:

It is requested that the owners of the Wilbraham Paper Corporation dam meet with the County Commissioners at the County Commissioners' Office, Court House, Springfield, Mass., at 11:30 o'clock in the forenoon on July 25, 1956 for the purpose of discussing the condition of the Wilbraham Paper Corporation dam.

Very truly yours,

HAMPDEN COUNTY COMMISSIONERS

By_____
Chairman.

WFS/N

JULY 25, 1956

Louis P. Farrar Vice-President and Comptroller of the Wilbraham Paper Corporation and George D. McNeil, Manager, came in at the request of the Hampden County Commissioners and the County Commissioners read to them the letter from George H. McDonnell to the County Commissioners dated July 11, 1956, and discussed the subject matter of that letter which contained a recommendation of permanent repairs to the Wilbraham Paper Corporation dam at the right abutment. The County Commissioners said that they wanted the permanent repairs made during the month of August 1956 and informed the representatives of the Wilbraham Paper Corporation that upon the return of George H. McDonnell from vacation next week, the County Commissioners will secure from him an estimate of the cost of the permanent repairs and will forward the information to the Wilbraham Paper Corporation. Mr. Farrar said that the parent Company would have a meeting of the Board of Directors next week and they would take up the matter of the permanent repairs and the financing of them and will inform the County Commissioners of their intentions. Mr. Farrar said that the Wilbraham Paper Corporation had applied for a loan from the Federal Government for flood repairs and had been turned down. The Commissioners emphasized the importance of having these repairs made prior to the possible flood rains at the end of the summer.

Dictated by WFS/N

JULY 25, 1956

Louis P. Farrar Vice-President and Comptroller of the Wilbraham Paper Corporation and George D. McNeil, Manager, came in at the request of the Hampden County Commissioners and the County Commissioners read to them the latter from George H. McDonnell to the County Commissioners dated July 11, 1956, and discussed the subject matter of that letter which contained a recommendation of permanent repairs to the Wilbraham Paper Corporation dam at the right abutment. The County Commissioners said that they wanted the permanent repairs made during the month of August 1956 and informed the representatives of the Wilbraham Paper Corporation that upon the return of George H. McDonnell from vacation next week, the County Commissioners will secure from him an estimate of the cost of the permanent repairs and will forward the information to the Wilbraham Paper Corporation.
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Dictated by WFS/N

CD-Wilbraham

Aug. 7, 1956

Wilbraham Paper Co.
North Wilbraham, Mass.

Gentlemen:

Information is requested as to the status of work as planned in connection with the permanent repairs to the right abutment of your dam on the Chicopee River. Permanent work should be completed on this abutment prior to Fall rains. Based on past history, we can expect to experience heavy rain storms from now to Winter.

The permanent work needed at the dam abutment is the furnishing and driving of steel sheeting, the furnishing and placing of very heavy rock fill and the furnishing and placing of select fill. In order to place the rock fill and the select fill it naturaly will be necessary to excavate a large portion of the sandy fill now in place in the abutment area. This fill is of no value based upon overtopping of the abutment during flood run-off.

Steel sheeting without the proper heavy rock fill will be completely destroyed and the abutment area washed through should flood run-off exceed the abutment elevation and heavy rock fill is not in place to act as an emergency spillway crest and chute.

Very truly yours,

George H. McDonnell
County Hydraulic Engineer

GHM/mdb

Nov. 6, 1957

Alchar-Wilbraham Corp.,
Cottage Street
No. Wilbraham, Mass.

Gentlemen:

In accordance with the provisions of Chapter 253, Section 45 et.seq. of the General Laws, Tercentenary Edition, relative to the inspection, condition and safety of the dams in Hampden County, you are hereby advised that your dam, located on the Chicopee River between Ludlow and Wilbraham, at a point upstream from the Cottage Street Bridge, has been recently inspected by our Engineer and your attention is called to the following conditions noted and recommendations made by him:

"The northerly abutment area has been improved by the addition of a relatively large volume of granular soil excavated from a nearby highway reconstruction project. This soil gives the appearance of mass and strength to the abutment area. However, during heavy storm runoff or overflowing water from the river itself, this fill at the right abutment would rapidly be washed away. The surface area is not properly drained to prevent erosion by local runoff. This erosion can weaken the abutment area fill.

The sandbag protection placed along the shoreline upstream of the abutment is now of little value. The cloth of the bags has deteriorated and the fill of the abutment area is exposed to the forces of flood water. This area of the river bank should be heavily riprapped to prevent flood flows from eating into and washing away the sandy soil.

The permanent repairs of this abutment area provided for a steel sheet cut-off wall with heavy rock fill on both sides of the sheeting. The grade of the rock fill was such that in time of extreme flood, this section of the abutment area could act as an emergency overflow and thus aid in preventing the overtopping of the earth dike located on the opposite side of the river.

There are no flashboards on this dam. None should be allowed on the dam until permanent repairs are made to the structure. Existing flashboards on the canal overflow spillway should also be removed.

The stone masonry on the face of the dam at the south one-third of the structure needs repair, replacement of missing stones and the making of new mortar joints.

There is a considerable amount of leakage taking place under the south abutment area and this leakage should be investigated and repaired.

It is recommended that the Owner of the dam be directed to make all of the necessary permanent repairs within the next 12 months or the dam should be breached and a sufficient amount of the structure be removed to prevent the ponding of water under any condition of river flow. In the meantime, it is recommended that the Owner immediately remove the remaining flashboards from the canal spillway and place a protective layer of riprap along the bank of the river upstream of the right abutment."

This Board concurs in the recommendations of the County Hydraulic Engineer.

Permanent repairs as originally planned and as shown, as well as specified, on plans and specifications filed with the County, should be completed as soon as possible. In the meantime, the removal of flashboards from the canal spillway is directed and the riprap should be placed along the bank of the river upstream of the right abutment. All other recommendations contained in the Engineer's report should be followed thru in the very near future. Any further information concerning this matter which you may desire will be furnished by this office upon request.

Very truly yours

HAMPDEN COUNTY COMMISSIONERS

By_____
Chairman

_____

_____

April 16, 1958

Alchar Wilbraham Corporation
North Wilbraham, Mass.

Att: George D. McNeill, Mgr.

Gentlemen:

In accordance with the Provisions of Chapt. 253, Section 45 et. seq. of the General Laws of the Commonwealth of Massachusetts relative to the inspection, condition and safety of dams in Hampden County, you are hereby advised that your dam located on Chicopee River, between Wilbraham and Ludlow, just upstream of the Miller Street bridge has been recently inspected by our Engineer and your attention is called to the following conditions noted in the report of the Engineer.

The Engineer points out that the permanent repairs to the right abutment of this dam have never been completed. He also points out that present high water in the Chicopee River is causing damage to the temporary granular fill placed in the breach washed around the abutment by the flood of August 1955. This condition is dangerous and steps should be taken at once to provide temporary protection in order to prevent a further washing out of this granular abutment fill.

It is directed that you take action to begin the construction of the permanent abutment in accordance with plans and specifications now approved or may revised plans and specifications you may wish to submit for review and approval.

Kindly notify this Board of your proposed schedule for the construction of the permanent abutment work and also action planned for the temporary control of erosion now taking place at the granular abutment fill.

Very truly yours

COUNTY COMMISSIONERS

By_____
Chairman

CD Wilbraham

June 11, 1958

Wilbraham-Alchar Corp.,
North Wilbraham, Mass.

Att: Geo. E. McNeill,
Manager

Gentlemen:

On April 16, 1958 this Board wrote to you regarding needed improvements to the right abutment of your dam located across the Chicopee River and upstream of the Miller St. bridge connecting Ludlow with Wilbraham. In our letter we asked you to kindly notify our Board of your proposed schedule for the construction of the permanent abutment work and also to notify this Board of action planned for the temporary control of erosion now taking place at the granular abutment fill.

As of this present day we have not heard from you in answer to our request of April 16, 1958. Will you kindly notify this Board, by return mail, of what action you plan to take in connection with the permanent repair needed at the right abutment and as directed by this Board.

Very truly yours

BOARD OF COUNTY COMMISSIONERS

By_____

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June 25, 1958

Alchar-Wilbraham Corp.,
No. Wilbraham, Mass.

Att: Mr. George McNeill,
Manager

Gentlemen:

Reference is made to your letter of June 2, 1958. We have had out County Hydraulic Engineer inspect the area at the right abutment of your dam again and he reports to us that other than a small load of stone dumped on top of the right abutment, no work has been done as of the middle of June to pave the face of the abutment area, to prevent erosion of the granular fill. In your letter it was pointed out that you are in the process of purchasing large stone to dump on the face of the granular fill and that the job should be completed before the Summer is over.

It is the opinion of our Engineer that this stone should be dumped on the face of the granular fill immediately and that the temporary measures should be completed by the placing of a thick layer of riprap at all points where high velocity water may scour the fill. It is also the opinion of the County Hydraulic Engineer that the permanent repairs should be started so that they can be completed by the time the Summer is over. This Board concurs in the recommendations of the County Hydraulic Engineer and is of the opinion that a firm construction schedule should be submitted indicating a date when the temporary repairs will be completed and also a date when the permanent repairs will be started and then completed. May we hear from you on this matter?

Very truly yours

BOARD OF COUNTY COMMISSIONERS

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Dec. 10, 1958

Alchar-Wilbraham Corp.
Cottage Street
No. Wilbraham, Mass.

Gentlemen:

In accordance with the provisions of Chapter 253, Section 45, et seq. of the General Laws, Tercentenary Edition, relative to the inspection, condition, and safety of the dams of Hampden County, you are hereby advised that your dam located on the Chicopee River between Ludlow and Wilbraham at a point upstream from the Cottage Street Bridge, has been recently inspected by our Engineer and your attention is called to the following conditions noted and recommendations made by him.

> "Riprap has been placed along the river bank at the right abutment. Additional riprap is still needed upstream of where riprap is now in place but no additional riprap should be placed out into the river itself in the vicinity of the dam. Riprap now at this particular location extends as far as it should into the river.
>
> The granular fill of the right abutment area should be properly drained to protect the fill from surface runoff and the formation of gullies. Gullies now existing should be properly filled and graded.
>
> All flashboards are off of the dam and the canal spillway. These flashboards should remain off until such time as the right abutment is permanently and properly repaired.
>
> The permanent steel sheeting together with the heavy stone backfill originally planned for the right abutment should be installed. This work should be done in the very near future."

Any further information concerning this matter which you may desire will be furnished by this office upon request.

Very truly yours,
BOARD OF COUNTY COMMISSIONERS

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October 28, 1959

Alchar-Wilbraham Corp.
Cottage Street
No. Wilbraham, Mass.

Gentlemen:

In accordance with the provisions of Chapter 253, Section 45, et seq. of the General Laws, Tercentenary Edition, relative to the inspection, condition and safety of the dams of Hampden County, you are hereby advised that your dam, located on the Chicopee River between Ludlow and Wilbraham, at a point upstream from the Cottage Street Bridge, has been recently inspected by our Engineer and your attention is called to the following conditions noted and recommendations made by him.

"No flashboards have been noted on this dam during many inspections throughout 1959. The right embankment area has been improved by the placing of additional riprap on the face towards the river and upstream of the dam itself. A small dike of the seeded earth has been built on and along the water's edge of the right abutment apparently for the purpose of keeping flood flows from overtopping the abutment area and for better control of surface runoff. The fill of the right abutment is still the sand fill that was placed as a temporary repair following the flood of August, 1955. The steel sheet core wall has never been set in place as planned and the heavy stone fill downstream of the sheeting location remains to be placed.

The abutment area to the right of the dam has been surface drained fairly well. The owner should be cautioned not to raise the right abutment area any higher. In fact, the right abutment area should be kept at a grade lower than the dike on the south side of the river. Any flood flows greater in height than the elevation of the south dike should be directed over the right abutment rather than thru the residential area and the mill yard situated to the south of the Chicopee River."

It is urged that the permanent repairs as approved by this Board be made to the dam abutment area as soon as possible. The right abutment area should be kept at a proper elevation, as pointed out in the report of the Engineer, to prevent overtopping of the south dike.

Any further information concerning this matter which you may desire will be furnished by this office upon request.

Very truly yours,

BOARD OF COUNTY COMMISSIONERS

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GEORGE H. McDONNELL
PHILIP W. SHERIDAN
EDWARD J. BAYON

TIGHE & BOND CONSULTING ENGINEERS

CIVIL, SANITARY AND ELECTRICAL ENGINEERING
INVESTIGATIONS, REPORTS, PLANS AND SPECIFICATIONS
SUPERVISION OF CONSTRUCTION AND OPERATION

BOWERS AND PEQUOT STREETS
HOLYOKE, MASSACHUSETTS
TEL. JEFFERSON 3-3991

CD Wilbraham
July 12, 1960

The Hon. the Board of County Commissioners
Hampden County Court House
Elm St.
Springfield, Mass.

Gentlemen:

Recently I received a request from Mr. McNeill of Wilbraham pertaining to the dam on the Chicopee River that was formerly the property of Collins Paper Co. and now is apparently owned by the Alchar-Wilbraham Corp. of North Wilbraham.

Following the flood of August, 1955, the owner of the dam had plans and specifications prepared covering the repair of the right abutment. This abutment had been washed out by the flood waters. Temporary repairs were made but to date the permanent repairs as provided for in the approved plans and specifications have not been made.

While awaiting the permanent repairs, the owner was directed by your Board to remove all flashboards from the dam and the canal spillway. This has been done and no flashboards have been in place for a number of years.

Mr. McNeill, manager of Alchar-Wilbraham Corp. has requested by phone that he be allowed to replace at least 6 inches of flashboard on the dam. I believe he contacted your Board in connection with this matter.

I have reviewed the facts and conditions at this dam and have made another field inspection of the dam and its abutments.

The dam and abutment areas are essentially in the same condition as last reported. Temporary repairs to the right abutment have been made and much riprap has been placed in the river at and upstream of the right end of the dam. In fact, the thickness of the riprap is such that it extends out into the river and will reduce to some extent the overflow capacity of the spillway.

TIGHE & BOND *CONSULTING ENGINEERS*

The right abutment has been repaired with fine sand except for the riprap facing. Any overflow of this abutment in the future will cause a rapid washout of the material and a recurrence of the failure. The grade at the top of the right abutment has been compared with the grade of the dike at the left abutment. It would appear from the data gathered by use of the hand level that the right abutment is higher than the dike on the left side of the dam.

It is the opinion of the undersigned that the owner of this dam should properly reconstruct the right abutment with approved material and to approved lines and grades before any flashboards are replaced on the spillway or are replaced on the canal overflow.

Very truly yours,

George H. McDonnell
County Hydraulic Engineer

GHM/f

July 13,1960 -- Mr. Stapleton telephoned the office of George H. McDonnell and requested that he prepare a letter for the County Commissioners ordering the reconstruction of the right abutment as recommended by Mr. McDonnell.

July 14, 1960

Alchar-Wilbraham Corp.,
No. Wilbraham, Mass.

Att: Mr. G. McNeill

Gentlemen:

Reference is made to your request for permission to place 6-inches of flashboards on the dam, in the Chicopee River, located upstream from your mill property. We have directed the County Hydraulic Engineer to make a field investigation of the existing conditions at this dam and to submit a report in connection with your request. The report of the Engineer to our Board is as follows:

"Following the flood of August, 1955, the owner of the dam had plans and specifications prepared covering the repair of the right abutment. This abutment had been washed out by the flood waters. Temporary repairs were made but to date the permanent repairs, as provided for in the approved plans and specifications, have not been made.

While awaiting the permanent repairs, the owner was directed by your Board to remove all flashboards from the dam and the canal spillway. This has been done and no flashboards have been in place for a number of years.

Mr. McNeill, manager of Alchar-Wilbraham Corp. has requested, by phone, that he be allowed to replace at least 6-inches of flashboard on the dam. I believe he contacted your Board in connection with this matter.

I have reviewed the facts and conditions at this dam and have made another field inspection of the dam and its abutments.

The dam and abutment areas are essentially in the same condition as last reported. Temporary repairs to the right abutment have been made and much riprap has been placed in the river at and upstream of the right end of the dam. In fact, the thickness of the riprap is such that it extends out into the river and will reduce to some extent the overflow capacity of the spillway.

The right abutment has been repaired with fine sand except for

the riprap facing. Any overflow of this abutment in the future will cause a rapid washout of the material and a recurrence of the failure. The grade at the top of the right abutment has been compared with the grade of the dike at the left abutment. It would appear from the data gathered by use of the hand level that the right abutment is higher than the dike on the left side of the dam.

It is the opinion of the undersigned that the owner of this dam should properly reconstruct the right abutment with approved material and to approved lines and grades before any flashboards are replaced on the spillway or are replaced on the canal overflow."

The Board of County Commissioners concurs with the recommendation of the County Hydraulic Engineer. It is necessary that the right abutment area be built with proper and approved materials and that the grade of the surface of the ground behind the abutment be such as to not exceed the elevation of the dike on the south side of the river.

The County Hydraulic Engineer would be pleased to confer with you or your engineering representative, to discuss the work needed at the right abutment area of the dam.

Very truly yours

BOARD OF COUNTY COMMISSIONERS

By Ralph P. Walsh

Thomas F. Sullivan

Acting Commissioner Francis M. O'Keefe

original letter signed on July 20, 1960.

CD Wilbraham
July 15, 1960

The Hon. the Board of County Commissioners
Elm Street
Springfield, Mass.

Gentlemen:

Enclosed please find a suggested letter that could be sent to Mr. McNeill, Manager of Alchar-Wilbraham Corp., of North Wilbraham.

If Mr. McNeill wishes, the undersigned would be pleased to meet with him or his engineer, to point out again the danger that exists at the right abutment, should a flood of high magnitude occur. The washout at the right abutment area, caused by the flood of August 1955, has been replaced with sand and any overflow around this abutment will cause rapid failure of the fill. Also, there is the problem of elevation in connection with the dike on the south side of the river. This dike protects homes and property. If an abutment is overtopped, the abutment at the right side should be built so as to withstand overtopping and to act as a release overflow for the existing facility.

Very truly yours

Tighe & Bond, Inc.

George H. McDonnell
County Hydraulic Engineer

GHM/cmb

GEORGE H. McDONNELL
PHILIP W. SHERIDAN
EDWARD J. BAYON

TIGHE & BOND CONSULTING ENGINEERS

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BOWERS AND PEQUOT STREETS
HOLYOKE, MASSACHUSETTS
TEL. JEFFERSON 3-3991

CD Wilbraham
July 15, 1960

The Hon. the Board of County Commissioners
Elm Street
Springfield, Mass.

Gentlemen:

Enclosed please find a suggested letter that could be sent to Mr. McNeill, Manager of Alchar-Wilbraham Corp., of North Wilbraham.

If Mr. McNeill wishes, the undersigned would be pleased to meet with him or his engineer, to point out again the danger that exists at the right abutment, should a flood of high magnitude occur. The washout at the right abutment area, caused by the flood of August 1955, has been replaced with sand and any overflow around this abutment will cause rapid failure of the fill. Also, there is the problem of elevation in connection with the dike on the south side of the river. This dike protects homes and property. If an abutment is overtopped, the abutment at the right side should be built so as to withstand overtopping and to act as a release overflow for the existing facility.

Very truly yours

Tighe & Bond, Inc.

George H. McDonnell
County Hydraulic Engineer

GHM/cmb

Nov. 30, 1960

Alchar-Wilbraham Corp.,
Cottage Street
No. Wilbraham, Mass.

Gentlemen:

In accordance with the provisions of Chapter 253, Section 45, et seq. of the General Laws, Tercentenary Edition, relative to the inspection, condition and safety of the dams of Hampden County, you are hereby advised that your dam, located on the Chicopee River between Ludlow and Wilbraham, at a point upstream from the Cottage Street Bridge, has been recently inspected by our Engineer and your attention is called to the following conditions noted and recommendations made by him.

> "No flashboards were noted on this dam at the time of the last inspection. The spillway was in satisfactory condition. The right abutment area was in the same general condition as reported a year ago, except that more stone paving may have been added to the river bank and the abutment area. The right abutment area appears to be higher than the top of the left bank dike on the Wilbraham side of the river. This determination was made with a hand level. The right abutment at the dam should be such that any overflow of abutment areas will take place here, rather than at the dike on the Wilbraham side. The Owner should be advised to check the grade of the right abutment and be certain that a channel is provided for the passage of large flood flows over the right abutment rather than over the dike at the left side of the dam. The right abutment is now so drained and protected that no erosion is taking place."

Permanent repairs to the right abutment should be made as soon as possible. If it is not desirable on your part to construct the right abutment in accordance with plans and specifications on file, revised plans and specifications should be submitted. It is important, however, that the elevation of the right abutment be so graded that any extreme runoff conditions will cause overflow of the right abutment in advance of overflow of the left abutment. Permanent repairs should take place during the coming year.

Any further information concerning this matter which you may desire will be furnished by this office upon request.

Very truly yours

BOARD OF COUNTY COMMISSIONERS

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GEORGE H. McDONNELL
PHILIP W. SHERIDAN
EDWARD J. BAYON

TIGHE & BOND CONSULTING ENGINEERS

CIVIL, SANITARY AND ELECTRICAL ENGINEERING
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BOWERS AND PEQUOT STREETS
HOLYOKE, MASSACHUSETTS
TEL. JEFFERSON 3-3991

CD Wilbraham
Dec. 19, 1960

The Hon. the Board of County Commissioners
Hampden County Court House
Elm Street
Springfield, Mass.

Gentlemen:

I have received a telephone request from Mr. George McNeil of the Alchar-Wilbraham Corp., requesting permission to install 12" flashboards on their dam, situated on Chicopee River between Wilbraham and Ludlow.

Mr. McNeil has discussed his desire to install flashboards from time to time in the past. Shortly after the right abutment area of the dam was washed out in the flood of August 1955, Mr. McNeil filed plans and descriptive specifications of proposed permanent repairs to the right abutment. Temporary repairs were made but, the permanent repairs as shown on the approved plans and specification were never carried out. The need for making proper repairs has been pointed out to Mr. McNeil from time to time.

Because of the very cold weather recently experienced and the depth of ice formation at the dam, the amount of water available in the canal leading to the mill is not sufficient to meet the needs of the mill. The undersigned pointed out to Mr. McNeil that if the abutment area had been rebuilt in accordance with plans and specifications filed, the flashboards could have been in place for some time.

It is my opinion, that a 12" flashboard could be provided for this spillway if the design of the pin is such that the flashboard will wash out in time of high flow and if Mr. McNeil will agree to grade the right abutment area so that the surface of the abutment will be at a slightly lower grade than the top of the dike on the Wilbraham side of the river. Mr. McNeil has agreed to provide your Board with a plan for modifying the elevation of the right abutment and showing a flashboard pin that would fail in moderate flood flow conditions.

TIGHE & BOND ***CONSULTING ENGINEERS***

Upon filing such drawings with your Board, I will be pleased to review them and submit a written report with recommendations in connection therewith.

As the matter now stands, it is up to Mr. McNeil to provide the flashboard pin design and a drawing of grading work to be done at the right abutment area.

Very truly yours

George H. McDonnell
County Hydraulic Engineer

GHM/cmb

GEORGE H. McDONNELL
PHILIP W. SHERIDAN
EDWARD J. BAYON

TIGHE & BOND CONSULTING ENGINEERS

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BOWERS AND PEQUOT STREETS
HOLYOKE, MASSACHUSETTS
TEL. JEFFERSON 3-3991

CD Wilbraham
Dec. 23, 1960

The Hon. the Board of County Commissioners
Hampden County Court House
37 Elm Street
Springfield, Massachusetts

Gentlemen:

In reference to the telephone call from Mr. McNeil, of the Alchar-Wilbraham Corp., I discussed the installation of flashboards on the dam, located on the Chicopee River, with Mr. McNeil and also with his Engineer. It was agreed at that time that if certain conditions would be fulfilled and plans, as well as specifications of these conditions are submitted to your Board, for review and approval, 12" of flashboards would be recommended for installation on the dam.

As you know, ever since the flood of August 1955, we have been urging the Owner of the dam to make permanent repairs to the right abutment. Temporary repairs of a fairly massive and substantial nature have been made. However, the fill at the right abutment is relatively fine and granular. This fill is protected on the upstream side with heavy field stone and riprap. However, any overtopping of this abutment will naturally result in a rapid washout of the fill.

On the left side of the river, that is on the Wilbraham side, there has been for many years a well constructed and maintained dike to protect homes in the immediate area. The surface elevation of the right abutment should be maintained at a grade wherein water during flood stage will top this abutment rather than the dike on the Wilbraham side. It would be far better to wash out the right side and repair damage here following a flood, than to overflow the dike on the left side and do damage to homes in that area.

In my telephone discussion with Mr. McNeil and his Engineer, I pointed out that if the right abutment area would be surveyed and a plan prepared showing its surface elevation as regards the

permanent dike on the left side, and if a portion of the surface area of the right abutment would be lowered to a grade just below the elevation of the top of the dike, conditions would be such then that maximum protection would be afforded homes on the Wilbraham side of the river.

With the abutment surface elevation set at proper grade, flashboard pins could be reinstalled on the dam to provide for 12" of storage. The undersigned pointed out to Mr. McNeil and his Engineer that these pins must be properly designed and the design thereof submitted for review and approval of your Board. The pins should be so designed and installed that when a predetermined flow of water is passing over the dam, the flashboard pins will bend and the flashboards wash out. In this way, maximum overflow capacity of the spillway can be maintained for flood flow conditions.

Both Mr. McNeil and his Engineer agreed that the necessary drawings, profiles and flashboard pin design would be submitted immediately for your review and approval. Thus, as the matter now stands, the timetable for insertion of flashboard pins and installation of flashboards on the dam is entirely in the hands of the Owner of the dam and his Engineer.

Very truly yours

George H. McDonnell
County Hydraulic Engineer

GHM/cmb

CD Wilbraham
Feb. 28, 1961

The Hon. the Board of County Commissioners
Hampden County Court House
37 Elm Street
Springfield, Mass.

Gentlemen:

In accordance with your request, I have reviewed a proposed plan with descriptive information pertaining to the installation of 12" of flashboards on the dam situated in the Chicopee River, and owned by the Alchar Corp. of Wilbraham. This dam was formerly known as the Collins Dam. It is immediately upstream of the Cottage Street bridge. The right abutment of the dam is in Ludlow and the left abutment with the canal headworks is in Wilbraham.

The plan filed consists of one sheet and is titled "Flashboard Pins & Emergency Overflow Channel, North Wilbraham Dam, Chicopee River."

The plan was filed January 17, 1961 and is a supplementary plan to those filed previously showing permanent repairs as proposed to the dam following the disastrous flood of August, 1955.

The plan now filed provides for 12" of flashboards to be held in place on the crest of the dam by 1-1/2" iron pipe pins set on 5 ft. centers.

To the right of the abutment area in Ludlow, a channel 20 ft. in width and at elevation 98.5 will be constructed from a point upstream of the dam to a point downstream thereof. The elevation 98.5 is based upon the south abutment on the Wilbraham side being elevation 100.0 at the top.

The purpose of the emergency overflow channel on the Ludlow side is to guarantee that if the capacity of the spillway is exceeded by a flood similar to that of August, 1955, any washout around abutment areas will take place on the Ludlow side rather than on the Wilbraham side where housing, mill

structures and the access road to the bridge could be seriously damaged. Washing around the abutment on the Ludlow side simply passes the water back into the channel of the river upstream of the Cottage Street bridge and results in a minimum of property damage.

The head of water at which the flashboards would fail is designed at 3'0". With a permanent dam crest of 87.5 and 12" of flashboards in place, the failure of the flashboards will occur when water in the river is elevation 91.5. This is 8-1/2 ft. below the elevation of the south dike on the Wilbraham side and 7 ft. below the elevation of the emergency overflow channel. Thus, the flashboards will not endanger the structure or property on the abutment areas.

The work as planned is not a permanent solution to the reconstruction of the right abutment. However, the work does provide for additional water to give the mill proper fire protection and also provides for an emergency overflow channel at the right abutment to protect property on the left.

Assuming that the work to be done will be carried on in accordance with the plan and the description of the work as filed on Jan. 17, 1961, it is recommended that your Board approve the filed supplementary drawing.

Respectfully submitted,

George H. McDonnell
County Hydraulic Engineer

GHM/mb

Nov. 1, 1961

Alchar-Wilbraham Corp.,
Cottage Street
No. Wilbraham, Mass.

Gentlemen:

In accordance with the provisions of Chapter 253, Section 45, et seq. of the General Laws, Tercentenary Edition, relative to the inspection, condition and safety of the dams of Hampden County, you are hereby advised that your dam, located on the Chicopee River between Ludlow and Wilbraham, at a point upstream from the Cottage Street Bridge, has been recently inspected by our Engineer and your attention is called to the following conditions noted and recommendations made by him.

" Flashboards were on the crest of the dam in accordance with the special permission granted during the past year. Flow over the flashboards was too high to be able to check the pin size and installation. Also, at the time of the last inspection, the flow was too high to examine the toe and downstream apron at this dam. At a later date, a further inspection will be made to check on these conditions.

The channel has been excavated in the fill behind the right abutment. As a result of this construction, any extreme flood flow in excess of the spillway capacity will now take place around the right abutment and not thru and over the dike on the Wilbraham side.

The right abutment channel should be paved with stone or loamed to promote a good growth of turf. This erosion control should take place particularly at each end of the channel where the granular material is now being washed by surface runoff from local rain storms. Such proposed paving will not prevent a major washout from occurring in time of extreme flood flow but erosion from local rain storms will be controlled.

At the canal wall there are no flashboards in place. None should be used. The left abutment area and the canal headgate area is in a dilapidated and unmaintained condition. There apparently is leakage under the canal spillway wall for it was noted that water was being discharged under pressure at one point a short distance down from the spillway itself. This condition will be checked more carefully when it is possible to get into the river bed."

Any further information concerning this matter which you may desire will be furnished by this office upon request.

Very truly yours

BOARD OF COUNTY COMMISSIONERS

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Green Acres Fruit Farm

Commonwealth of Massachusetts

County of Hampden

Springfield, Mass.

Office of the
County Commissioners
52 State Street

William F. Stapleton
Chairman
[redacted]
Lloyd W. Fradet
Stephen A. Moynahan

December 10, 1969

Green Acres Fruit Farm
868 Main Street
Wilbraham, Massachusetts

Gentlemen:

In accordance with the provisions of Chapter 253, Section 45, et seq. of the General Laws, Tercentenary Edition, relative to the inspection, condition and safety of the dams of Hampden County, you are hereby advised that your dam located near your orchard and easterly of Main Street, as well as southerly of Burleigh Road, has been inspected by our Engineer and your attention is called to the following conditions noted and recommendations made by him.

"The pond was full on the day of inspection and water was flowing out of the pond around the right end of the masonry wall of the dam. This overflow takes place on solid natural ground and the condition is satisfactory.

The embankment is rough as to shape and surface area but it is satisfactory. Grass and turf cover are o.k. All tree and brush growth has been cleared from the embankment. The toe area was satisfactory. The toe was wet in the bed of the stream just below the main spillway section of the dam but this is a natural occurrence and conditions were noted to be o.k.

The cemented central spillway remains satisfactory and there is little or no sign of erosion, wear or boulder movement.

The dam could be further improved if the owner would make masonry repairs on the pond side face and the top of the concrete and stone masonry wall. When the pond is drawn down again, it would be advisable to have all exposed masonry voids cleaned of loose material, dirt, vegetation and debris. After cleaning the voids, a good rich cement grout should be packed into each void. Broken areas of the wall on the surface could be replaced with a poured concrete mix containing moderately sized broken or washed stone.

The recommended repair work to the wall will protect the investment of the owner in this dam and should extend its useful life.

In the opinion of the undersigned, the dam is safe. The owner has made improvements to the dam in recent years."

The report of the County Hydraulic Engineer is sent to you for your information relative to his advice regarding repairs to the concrete wall. The contents are self-explanatory.

Any further information concerning this matter which you may desire will be furnished by this office upon request.

Very truly yours,

BOARD OF COUNTY COMMISSIONERS

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Commonwealth of Massachusetts

County of Hampden

Springfield, Mass.

Office of the
County Commissioners
52 State Street

William F. Stapleton
[illegible]
Floyd W. Fradet
Stephen A. Moynahan,
Chairman

August 19, 1970

Wilbraham Industrial Park
North Wilbraham,
Massachusetts

Gentlemen:

In accordance with the provisions of Chapter 253, Section 45, et seq. of the General Laws, Tercentenary Edition, relative to the inspection, condition and safety of the dams in Hampden County, the County Hydraulic Engineer has recently made an inspection of your dam on Chicopee River just upstream of your Industrial Park property, and your attention is called to the following conditions and recommendations made by him.

"This dam is deteriorating and it receives no maintenance whatsoever. On the day of inspection water was flowing thru the canal headworks unhindered in any way since all of the gates have been removed from the canal gate structure. Directly in front of the right side of the old gate facility and in the canal, water was observed to be quite turbulent. This is a result of the free flowing water entering the canal and then coming in contact with an underwater stone masonry obstacle that apparently is a part of the canal spillway structure. The turbulence in the water is not related to any leakage from the pond.

The canal overflow is deteriorating badly. Water level was below crest elevation.

The left abutment earth dike was observed to be o.k. and it has a fairly good turf cover.

The dam itself was noted to be in fair condition insofar as stone masonry and the crest of the dam are concerned. The crest was on good grade and alignment. Flashboards were on the crest but water in storage was about at the elevation of the base of the flash-boards. Very little water overflowed the spillway that extends

across Chicopee River. Many of the timbers at the toe of the dam have been displaced and washed away. Consequently, water overflowing the dam spillway can now undermine the toe of the dam.

The toe of the dam is inundated with ponded water held back by a downstream curb wall that was part of the toe timber system. The heavy toe timbers will continue to fail and wash away and will become a nuisance if not a danger and threat downstream.

It was not possible to determine whether or not the toe of the dam is being washed out and undermined. The owner should be required to investigate the conditions at the toe of the dam and if undermining and water erosion is taking place, the toe should be stabilized by either repairing the timber toe facility or placing mass concrete at the toe to prevent a continuation of any possible erosion.

An examination of a portion of the toe of the dam and the curb as well as those sill timbers that could be viewed indicated that they were in fairly good condition.

The right abutment masonry structure was satisfactory. The flood flow swale behind the right abutment was o.k. Many small trees are growing in the swale but these do not affect its ability to function as yet.

It is recommended that the owner of the dam be advised to maintain the dam, particularly the toe area, and to investigate conditions at the toe and take any corrective action needed to prevent undermining of the toe."

You are hereby advised to make the necessary investigation of conditions at the toe of the dam in order to determine whether or not the loss of the toe timbers will contribute to undermining the dam stone masonry. If any undermining is observed, proper construction should be done to correct the undermining and prevent any extension of this problem.

Any further information concerning this matter which you may desire will be furnished by this office upon request.

Very truly yours,

BOARD OF COUNTY COMMISSIONERS

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Green Acres Fruit Farm Dam

1963 Wilbraham

Dam located near orchard and easterly of Main Street and southerly of Burleigh Road.

City/Town	Wilbraham
Dam	Green Acres Fruit Farm Dam
Name	Green Acres Fruit Farm
Streets	Burleigh Road
Streets	Main Street

July 31, 1963

Green Acres Fruit Farm
868 Main Street
Wilbraham, Mass.

Gentlemen:

In accordance with the provisions of Chapt. 253, Section 45, et. seq. of the General Laws, Tercentenary Edition, relative to the inspection, condition and safety of the dams of Hampden County, you are hereby advised that your dam located near a section of your orchard and easterly of Main Street, as well as southerly of Burleigh Road has been inspected by our Engineer and your attention is called to the following conditions noted and recommendations made by him.

> " This dam was found to be in the same general condition as reported in 1962. No water has been ponded at the site of the dam. The masonry and the embankment are quite dilapidated but they appear to be structurally sound. The entire area of the dam is becoming heavily overgrown with brush and the Owner should be notified to cut this brush and to keep the dam and the embankment clear of this growth. It was not possible to make a good inspection of the structure because of the heavy brush growth. The Owner should maintain the dam in good condition or it should be breached and abandoned. It is recommended that your Board so notify the Owner. "

If the dam is to remain active, then it is necessary that it be cleared of all brush growth so that the County Hydraulic Engineer can make a proper inspection of the structure. Please have all brush growth removed within the next few months and make any repairs to the embankment found necessary after the structure has been cleared of the heavy growth. If the dam is not to impound water again and, if you wish to abandon the structure, please make a breach thru the dam. An opening around either end of the dam would

be suitable so that little or no water would be stored under flood flow conditions.

Any further information concerning this matter which you may desire will be furnished by this office upon request.

Very truly yours

BOARD OF COUNTY COMMISSIONERS

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December 16, 1964

Green Acres Fruit Farm
868 Main Street
Wilbraham, Massachusetts

Gentlemen:

In accordance with the provisions of Chapt. 253, Section 45, et seq. of the General Laws, Tercentenary Edition, relative to the inspection, condition and safety of the dams of Hampden County, you are hereby advised that your dam located near a section of your orchard and easterly of Main Street, as well as southerly of Burleigh Road has been inspected by our Engineer and your attention is called to the following conditions noted and recommendations made by him.

"The Owner has cut brush from the area of the dam and as a result, a thorough inspection of the structure could be made. On the day of inspection, the pond was found to be empty and there was no flow in the brook valley. The dam is in fair condition but it does need attention. If the Owner intends to maintain this dam then to protect his investment and to protect persons and property downstream, certain maintenance and repair work should be done.

The upstream face of the concrete masonry is eroded and all voids should be filled with concrete grout. The top of the masonry wall should be repaired as necessary. The main spillway at the center of the dam embankment should be properly shaped and paved. The huge boulder now in the spillway opening should be moved in order that a proper masonry spillway channel could be poured and shaped.

The downstream stone masonry wall at the embankment section was in fair condition.

In doing repair work at the dam, the spillway capacity could be increased by constructing an around-the-end swale spillway on natural ground to the

right of the dam. This would simply require the excavation of a fairly wide channel in natural ground to the right of the dam, at an elevation of about 6" above the crest elevation of the central spillway channel. The surface of this excavated swale spillway should be loamed and seeded so as to result in a good turf cover to prevent erosion in time of storm flow conditions."

If it is your intention to keep the dam active, it would be advisable to make the necessary repairs as outlined in the report of the County Hydraulic Engineer. Improvement of the existing spillway facility, repairs to the concrete masonry of the dam and the formation of an around-the-end swale spillway channel to the right of the dam will result in this structure becoming a safe dam with a reasonably long life and one that will probably require a minimum of maintenance for a number of years. Unless the repairs and the improvements are made, the dam will continue to deteriorate and it will eventually become necessary to breach the structure for the safety of persons and property downstream.

It is not necessary that the work as outlined in the report to the County Hydraulic Engineer be accomplished within the next year. However, a portion of the work should be started in 1965 and the work continue over the next two or three years so that by the end of that time, all of the recommendations will have been carried out.

Any further information concerning this matter which you may desire will be furnished by this office upon request.

Very truly yours,

BOARD OF COUNTY COMMISSIONERS

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Guidette Dam aka Twelve Mile Brook Dam

1955 Wilbraham

Dam on Twelve Mile Brook. See also: County Highways (Wilbraham) - "Dam on Twelve Mile Brook..." - ch11013 & ch11027.

City/Town	Wilbraham
Dam	Twelve Mile Brook Dam
Dam	Guidette Dam
Name	Guidette
Name	Sullivan
Water	Twelve Mile Brook

Mr. V. T. Sullivan left this Nov. 16, 1955, and asked that it be given to the Commissioners

Turtle Mt. Brook — Mrs. W. Williams

On Aug. 19 the brook ran with cutting new beds thru the property of E. M. Sullivan cutting a big 40 foot curve right in back. The brook is still running out of its original bed, thru a canal 40 feet wide, 6 feet deep. After leaving our property the brook lately destroyed the home of E. Ingles on Grove Hill Rd. and destroyed the bridge on Grove Hill Rd. I feel the brook should be put back in its original bed.

There has been some work done as far as clearing up debris from the Chicopee River to said bridge, but they stopped at this point.

W. W. Williams

GEORGE H. McDONNELL
PHILIP W. SHERIDAN
EDWARD J. BAYON

TIGHE & BOND CONSULTING ENGINEERS

CIVIL, SANITARY AND ELECTRICAL ENGINEERING
INVESTIGATIONS, REPORTS, PLANS AND SPECIFICATIONS
SUPERVISION OF CONSTRUCTION AND OPERATION

BOWERS AND PEQUOT STREETS
HOLYOKE, MASSACHUSETTS
TEL. JEFFERSON 3-3991

CD Wilbraham
October 30, 1968

The Honorable the Board of County Commissioners
52 State Street
Springfield, Massachusetts

Re: Guidette Dam
Wilbraham, Mass.

Gentlemen:

I have received a telephone request from Mr. Guidette to assist him, if possible, in the removal of a beaver dam at the site of his flood breached dam on Twelvemile Brook in Wilbraham.

The dam owned by Mr. Guidette was formerly owned by Dr. Sullivan. During the hurricane flood of August, 1955, the dam was breached and since that time no repairs have ever been made.

When it became evident that a new property owner was involved, your Honorable Board notified the owner, Mr. Donald V. Guidette on November 24, 1965, that if he planned to reactivate the dam by reconstruction of the embankment, it would be necessary under the provisions of Chapter 253 of the General Laws for him to file plans and specifications of any proposed construction before any work could be done.

Apparently, beavers have recently plugged the breach in the dam and as a result, a fairly large pond of water is being formed. Mr. Guidette became concerned over the fact that it is his responsibility to prevent the formation of a pond of water even if the pond results from beaver action. Mr. Guidette has informed me via telephone, that he has broken the beaver dam time and time again, only to have it reconstructed by the beavers. I advised Mr. Guidette that the County could not take any action to help him rid the area of beavers and suggested that he contact Conservation officials and officials of the Department of Natural Resources, who might trap the beavers and

remove them from the site. I advised Mr. Guidette that as long as he himself was not plugging the breach in the dam and was taking every step available to him to eliminate the beaver dam, I could not see where he would be faced with any problem regarding violation of the provisions contained in Chapter 253 of the General Laws.

The above information is sent to you for record purposes.

Very truly yours,

George H. McDonnell
County Hydraulic Engineer

GHM/amd

Powers Dam aka Green Dam

1933 Wilbraham

Small dam located on Stebbins Pond southerly of Burleigh Road just easterly of Main Street.

	Main Street
City/Town	Wilbraham
Dam	Green Dam
Dam	Powers Dam
Name	Green, Dorrance T
Name	Powers, James F
Streets	Burleigh Road
Water	Stebbins Pond

Dennis Ybarra
76 Dunn Ln
Middletown

New owner

May 3, 1933

Mr. James F. Powers,
Wilbraham, Mass.

Dear Sir:

In accordance with the provisions of Section 45 of Chapter 253 of the General Laws as amended by Chapter 334 of the Acts of 1923 and as further amended by Chapter 178 of the Acts of 1924 relative to the inspection, condition and safety of the dams of Hampden County, you are notified that your dam, located on a tributary of Stebbins Pond, so called, in the Town of Wilbraham, has been inspected by our engineer and your attention is called to the following conditions noted and recommendations made by him;

> "The concrete facing wall on the upstream side of the dam shows some disintegration which should be repaired. The earthen embankment is eroded from around the overflow, and the walls of the overflow channel are cracked and collapsing at the lower end. It is recommended that additional earth be placed and compacted around the overflow and that the walls of the overflow channel be repaired."

Now, therefore in accordance with Section 46 of said Chapter 253, it is ordered that the above recommendations be complied with in a reasonable length of time.

Any further information concerning this matter which you may desire will be furnished by this office upon request.

Yours very truly,

COUNTY COMMISSIONERS

By_____
Chairman.

_____

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MEMBER
AM. SOC. C. E.
INST. C. E. GREAT BRITAIN
ENG. INST. OF CANADA

JAMES L. TIGHE

CONSULTING ENGINEER
CALEDONIAN BUILDING, 189 HIGH STREET
HOLYOKE, MASS.
TELEPHONE 5525
MEMBER AM. INST. OF CONSULTING ENGINEERS, INC.

MEMBER
BOSTON SOC. C. E.
ENG. SOC. WEST. MASS.
AM. & N. E. W. W. ASSOC'S

WATER SUPPLY
SEWERAGE
SEWAGE DISPOSAL
ANALYSIS OF WATER

WATER POWER INVESTIGATIONS
AND DEVELOPMENT
DAMS AND POWER INSTALLATIONS
ESTIMATES AND APPRAISALS

October 31, 1939

The Hon. The Board of County Commissioners
Hampden County, Court House
Springfield, Mass.

Charles W. Bray, Chairman,

Dear Sir:

Having recently made an inspection of the James F. Powers ice pond dam in Wilbraham, I would recommend that the owner's attention be drawn to the advisability of making certain repairs thereon. These repairs consist of making the structure safe against overtopping, in times of high flood flows, by placing additional earth fill on the top and down-stream slope, so as to raise the entire top of the dam to a height of at least 1½ feet above the crest of the overflow.

Respectfully submitted,

James L. Tighe

November 1, 1939

Mr. James F. Powers

Wilbraham, Mass.

Dear Sir:

Following a recent inspection of your ice pond dam in Wilbraham, our engineer has recommended that your attention should be drawn to the advisability of making certain repairs thereon. These repairs consist of making the structure safe against overtopping in times of high flood flows, by placing additional earth fill on the top and downstream slope, so as to raise the entire top of the dam to a height of at least 1½ feet above the crest of the overflow.

Any further information concerning this matter which you may desire will be furnished by this office upon request.

Yours very truly,

COUNTY COMMISSIONERS

Charles W. Bray
Chairman

Thos. J. Costello

Edward J. Stapleton

RETURN RECEIPT

Received from the Postmaster the Registered or Insured Article, the original number of which appears on the face of this Card.

(Signature or name of addressee)

(Signature of addressee's agent)

Date of delivery, AUG 3 1940 *, 193*

Form 3811

U. S. GOVERNMENT PRINTING OFFICE

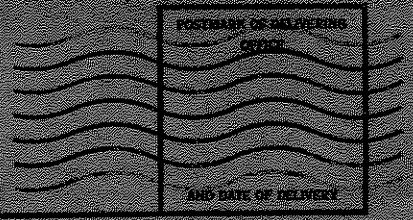
Post Office Department

OFFICIAL BUSINESS

REGISTERED ARTICLE No. 14227

INSURED PARCEL No.

PENALTY FOR PRIVATE USE TO AVOID PAYMENT OF POSTAGE, $300



Return to O. L. Brewster & Co.

(NAME OF SENDER)

Street and Number, or Post Office Box,

SPRINGFIELD,

MASSACHUSETTS

August 7, 1940

Mr. James F. Powers

Wilbraham, Mass.

Dear Sir:

In accordance with the provisions of Chapter 253, Section 45 et seq. of the General Laws, Tercentenary Edition, relative to the inspection, condition and safety of the dams of Hampden County, you are hereby notified that your dam on a tributary of the South Branch of Mill River in Wilbraham has been inspected by our engineer and your attention is called to the following conditions noted and recommendations made by him;

> "There is a washout in this dam next to the south end of the overflow, which should be repaired by filling the washout with gravel-fill well tamped and compacted."

Any further information concerning this matter which you may desire will be furnished by this office upon request.

Yours very truly,

COUNTY COMMISSIONERS

By_____
Chairman

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August 27, 1941

Mr. James P. Powers

Wilbraham, Mass.

Dear Sir:

In accordance with the provisions of Chapter 253, Section 45 et seq. of the General Laws, Tercentenary Edition, relative to the inspection, condition and safety of the dams of Hampden County, you are hereby notified that your ice pond dam on tributary to Stebbins Pond in Wilbraham has been inspected by our Engineer and your attention is called to the following conditions noted and recommendations made by him.

"While some repairs were made on this earthen structure last year, there are still repairs to be done on the upstream concrete facing of the embankment, and on the concrete wall on the easterly side of the overflow."

Any further information concerning this matter which you may desire will be furnished by this office upon request.

Yours very truly,

COUNTY COMMISSIONERS

By_____
Chairman

_____

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September 2, 1942

Mr. James P. Powers

Wilbraham, Mass.

Dear Sir:

In accordance with the provisions of Chapter 253, Section 45 et seq. of the General Laws, Tercentenary Edition, relative to the inspection, condition and safety of the dams of Hampden County, you are hereby notified that your dam on the South Branch of Mill River in Wilbraham has been inspected by our engineer and your attention is called to the following conditions noted and recommendations made by him:

> "Last year the County Commissioners recommended that repairs should be made upon the concrete facing wall of this dam and around the overflow. Instead of making such repairs and keeping the dam in service, however, the owner decided to draw off the pond and leave the drain pipe in the base of the dam open so that no pondage would be formed. Inasmuch as this drain pipe is of small size, and since its entrance might become plugged by silt, debris, etc., especially in times of heavy run-off, it is recommended that, as an additional safeguard, the overflow section of the dam be lowered at least five (5) feet below its present level."

Any further information concerning this matter which you may desire will be furnished by this office upon request.

Yours very truly,

COUNTY COMMISSIONERS

By _____
Chairman

_____

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December 31, 1952

Mr. J.F. Powers
Burleigh Road
Wilbraham, Mass.

Dear Sir:

In accordance with the provisions of Chapter 253, Section 45 et seq. of the General Laws, Tercentenary Edition, relative to the inspection, condition and safety of the dams of Hampden County, you are hereby advised that your dam located southerly of Burleigh Road in Wilbraham has been recently inspected by our Engineer, and your attention is called to the following conditions noted and recommendations made by him:

> "This dam is somewhat dilapidated and is in rather poor condition. The dam should be repaired and properly maintained or it should be breached so that no water will be ponded."

Any further information concerning this matter which you may desire will be furnished by this office upon request.

Very truly yours,

COUNTY COMMISSIONERS

By_____
Chairman

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April 11,1956

Mr. D. Green
868 Main Street
Wilbraham, Mass.

Dear Sir:

According to our records you are the Owner of the small dam located southerly of Burleigh Road just easterly of Main Street. This dam was inspected recently by our County Hydraulic Engineer and his report to this Board shows that ponded water is overflowing around the right end of the dam in a temporary spillway located on natural ground. This spillway should be improved and enlarged. This would provide adequate capacity for discharging high rates of surface water runoff. The earth fill on the front of the central portion of the masonry dam has been washed away by flood flows and this material should be replaced. The material to be used should be heavy stone if the central spillway is still to be considered as an overflow.

Our County Hydraulic Engineer will be pleased to meet with you, if you so desire, to discuss the needed improvements at your dam and spillway. Steps should be taken to make these improvements during 1956.

If you have any question on this matter kindly call or write this office.

Very truly yours

BOARD OF COUNTY COMMISSIONERS

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WATER SUPPLY
SEWERAGE
SEWAGE DISPOSAL
STRUCTURAL ENGINEERING

TIGHE & BOND, INC.
CONSULTING ENGINEERS
189 HIGH STREET
HOLYOKE, MASSACHUSETTS
GEORGE H. McDONNELL
PHILIP W. SHERIDAN

DAMS & POWER INSTALLATIONS
HIGHWAYS & BRIDGES
HOUSING DEVELOPMENT
WASTE DISPOSAL

April 4, 1956

The Hon. the Board of County Commissioners
Hampden County Court House
37 Elm Street
Springfield, Massachusetts

Gentlemen:

The undersigned has inspected the dam of Mr. D. Green of 868 Main Street in Wilbraham located off of Burleigh Road easterly of Main Street. This dam is a masonry structure backed with earth fill and stone fill on the downstream side. Water from the pond behind the dam now flows around the right end of the dam in a temporary spillway thru natural ground. This spillway should be improved, and enlarged, if it is to be used to satisfactorily pass anticipated high rates of storm water runoff.

The earth and stone fill in front of the central portion of the masonry dam has been partly washed away by flood flows. This fill should be replaced and the use of heavy stone should be included in this fill.

Very truly yours

George H. McDonnell
County Hydraulic Engineer

GHM/cmb

CD Wilbraham

Aug. 7, 1956

Mr. D. Green
868 Main St.
Wilbraham, Mass.

Dear Sir:

This will confirm my conversation with you on Friday, Aug. 3, 1956, at the site of your dam located southerly of Burleigh Rd. and just easterly of Main St. It was agreed that the earth and rock fill of the dam embankment washed out in the flood of August, 1955, would be repaired by placing heavy rock fill in the washed out area. This area is just downstream of the concrete masonry wall in the center part of the dam. After placing the rock fill and shaping the fill to form a trough spillway, the voids in the rock would be filled with concrete grout.

The around-the-end spillway at the right side of the dam could be enlarged and cleared to form a well shaped spillway. However, if this work is done care should be taken not to disturb the existing solid ground that has resisted erosion so well in the past. This resistance to erosion probably is the result of earth and hardpan type of material or a rocky earth condition.

If the undersigned can be of any assistance to you please do not hesitate to call this office at any time.

Very truly yours,

George H. McDonnell
County Hydraulic Engineer

GHM/mdh

Nine Mile Pond Dike

1946 Wilbraham

Papers include various information regarding Nine Mile Pond in Wilbraham. Rights of Way created.

City/Town	Wilbraham
Name	Massachusetts Comm Public Works
Streets	Sunset Ridge
Streets	Pond Road
Water	Nine Mile Pond Dike
Water	Cedar Swamp

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STATE OF MASSACHUSETTS
DEPARTMENT OF PUBLIC WORKS
HERMAN A. MACDONALD, COMMISSIONER

LUDLOW QUADRANGLE
MASSACHUSETTS

72°30′ — 330 000 FEET — 27′30″ — 25′ — 72°22′30″ — 42°15′

(Mt. Holyoke) — ATHOL 29 MI. BELCHERTOWN 2.8 MI. — AMHERST 11 MI. BELCHERTOWN 2 MI. — (Winsor T

(Belchertown)

SOUTH HADLEY 5.5 MI. GRANBY 2.5 MI.

SOUTH HADLEY 5.3 MI. JUNC. U. S. NO. 202 3.2 MI.

450 000 FEET

12′30″

SPRINGFIELD (MEMORIAL BRIDGE) 9 MI. INDIAN ORCHARD 2.5 MI.

HOLYOKE 7.7 MI. CHICOPEE FALLS 4.4 MI.

2 200 000 YARDS

SPRINGFIELD (MEMORIAL BRIDGE) 6 MI. WESTFIELD 15 MI.

THREE RIVERS 1.9 MI. PALMER 4.6 MI.

THREE RIVERS 0.5 MI. THORNDIKE 2.3 MI.

PALMER 2.8 MI. WORCESTER (CIVIC CENTER) 36 MI.

420 000 FEET

MONSON 4 MI. STAFFORD SPRINGS 15 MI.

42°07′30″ — 72°30′ — 27′30″ — 1 050 000 YARDS — (Hampden) — 25′ — 360 000 FEET — 72°22′30″ — 42°07′30″

WILBRAHAM 1.5 MI. — HAMPDEN 5 MI. — (Monson)

NORTH SOMERS 7.8 MI. SOMERS 10.1 MI.

(Springfield South) — (Springfield North) — (Palmer)

SPRINGFIELD (JUNC. U. S. NO. 5) 7 MI. LONGMEADOW 7.8 MI.

Topography by R. J. Belton, J. A. Law, and City of Springfield
Surveyed in 1938
Revised in 1944

APPROXIMATE MEAN DECLINATION, 1938

Scale 1/31 680

1 0 1 Mile
500 0 500 1000 1500 2000 2500 Yards
1000 0 1000 2000 3000 4000 5000 6000 7000 Feet
1 0 1 Kilometer

Contour interval 10 feet
Datum is mean sea level

ROAD CLASSIFICATION 1944

Dependable hard-surface heavy-duty road
Secondary hard-surface all weather road
Loose-surface, graded
Unsurfaced, graded dry weather roads
Dirt road
More than two lanes indicated along road with tick at point of change 3 LANE | 4 LANE
U. S. Route 15
State Route 26

Polyconic projection. 1927 North American datum
5000 yard grid based on U. S. zone system, A
10000 foot grid based on Massachusetts (Mainland) rectangular coordinate system

LUDLOW, MASS.
Edition of 1944
N 4207.5—W7222.5/7.5

Received in County Commrs' Office on July 3, 1946.

MEMBER
AM. SOC. C. E.
INST. C. E. GREAT BRITAIN
ENG. INST. OF CANADA

JAMES L. TIGHE

CONSULTING ENGINEER
CALEDONIAN BUILDING, 189 HIGH STREET
HOLYOKE, MASS.
TELEPHONE 5525
MEMBER AM. INST. OF CONSULTING ENGINEERS, INC.

MEMBER
BOSTON SOC. C. E.
ENG. SOC. WEST. MASS.
AM. & N. E. W. W. ASSOC'S

WATER SUPPLY
SEWERAGE
SEWAGE DISPOSAL
ANALYSIS OF WATER

WATER POWER INVESTIGATIONS
AND DEVELOPMENT
DAMS AND POWER INSTALLATIONS
ESTIMATES AND APPRAISALS

July 2, 1946

Hon. The Board of County Commissioners
Hampden County, Court House
Springfield, Massachusetts

Thomas J. Costello, Chairman.

Dear Sir:

In accordance with your instructions, I have examined the dam complained about recently, built across the overflow streambed of 9 Mile Pond in North Wilbraham. This streambed does not appear to be the natural outlet bed of 9 Mile Pond, but an artificial channel or rather ditch excavated probably for irrigation purposes.

The location of the dam is about 1,400 feet westerly from 9 Mile Pond and, apparently, located at or near the end of the ditch. The dam is a very simple structure composed entirely of earth. It is only 2½ feet in height and 18 feet in length along its top. It has no trimmings of any kind in the way of stone facings, woodwork, or any other kind of finish. Neither has it any spillway and the height of the water behind it is controlled entirely by the height of 9 Mile Pond.

The complainants' property is located on the west bank of the ditch and is protected from water overflowing from the ditch by a small dike a few feet high, built along the ditch.

While the raising of the water level in the ditch to a height of 2 feet had not overflowed the top of the dike, nevertheless, the complainants say that it leaks through the earth dike thus damaging the gardens and garden products abutting.

On the other hand the owner of the dam claims that he has a right to protect his property from any overflow water from 9 Mile Pond, as the 1,400 feet or thereabouts of a ditch artificially made, is still the perimeter or shore line of 9 Mile Pond and not a natural outlet thereof.

Hon. The Board of County Commissioners
Hampden County, Court House
Springfield, Massachusetts

July 2, 1946

Nine Mile Pond is a body of water of considerable area, it being almost a half a mile in length and one fifth of a mile in width. Its drainage area, however, is small being less than one square mile in area.

Although several maps have been consulted none show any natural overflow outlet therefrom. The maps, however, show a well-defined inlet stream which rises in the swampy territory at the foot of Sunset Ridge.

As a matter of fact there are considerable swampy or marshy areas in this section of North Wilbraham, especially on the southern side of 9 Mile Pond, as for instance Cedar Swamp.

Going back to the overflow or drainage from 9 Mile Pond, it would appear that this, or most of it flows underground into Spectacle Pond, inasmuch, as the latter pond is 22 feet lower than 9 Mile Pond, although being only 400 feet away from the latter.

Under the peculiar circumstances, as stated, whether the construction of the dam comes under the provisions of the General Laws, Chapter 253, Section 45, it might be advisable to obtain the opinion of Council.

Respectfully submitted,

James L. Tighe

COPY

July 2, 1946

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Hampden County Court House
Springfield, Massachusetts

Thomas J. Costello, Chairman

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Under the peculiar circumstances, as stated, whether the construction of the dam comes under the provision of the General Laws, Chapter 253, Section 45, it might be advisable to obtain the opinion of Council.

Respectfully submitted,

IN THE YEAR ONE THOUSAND NINE HUNDRED AND FIFTY-THREE

AN ACT PROVIDING FOR THE ESTABLISHMENT OF A RIGHT OF WAY FOR PUBLIC ACCESS TO NINE MILE POND IN THE TOWN OF WILBRAHAM.

SECTION 1. The county commissioners of Hampden county are hereby authorized and directed to lay out in the town of Wilbraham a right of way for public access to Nine Mile Pond in the town of Wilbraham, in accordance with plans to be approved by the department of public works and showing the location and dimensions of such right of way. If it is necessary to acquire land for the purpose of laying out such right of way said county commissioners shall at the time such right of way is laid out take such land by eminent domain under chapter seventy-nine of the General Laws. Any person sustaining damages in his property by the laying out of such a right of way, or by specific repairs or improvements thereon, shall be entitled to recover the same under said chapter seventy-nine; provided, that the right to recover damages, if any, by reason of the laying out of such right of way, shall vest upon the recording of the order of taking by said county commissioners and that no entry or possession for the purpose of constructing a public way on land so taken shall be required for the purpose of validating such taking or for the payment of damages by reason thereof.

SECTION 2. The selectmen of the town of Milbraham from time to time may make specific repairs on or improve such right of way to such extent as they may deem necessary, but neither the county of Hampden, nor any city or town therein, shall be required to keep such right of way in repair, nor shall they be liable for injury sustained by persons travelling thereon; provided, that sufficient notice to warn the public is posted where such way enters upon or unites with any existing public way.

SECTION 3. All expenses incurred by said county commissioners in connection with such right of way shall be borne by the county of Hampden, or by such cities and towns therein, and in such proportions, as said county commissioners may determine.

SECTION 4. Said right of way shall not be discontinued or abandoned without authority therefor from the general court.

SECTION 5. Nothing in this act shall be construed to limit the powers of the department of public health, or any local board of health, under any general or special law.

JAMES L. TIGHE
PHILIP E. BOND

TELEPHONE
HOLYOKE 5325

TIGHE & BOND
CONSULTING ENGINEERS
189 HIGH STREET
HOLYOKE, MASSACHUSETTS

WATER SUPPLY
SEWERAGE
SEWAGE DISPOSAL
WATER POWER
DAMS

July 27, 1948

Mr. Bond brought this in to Comm's Office on July 28, 1948.

The Hon. The Board of County Commissioners
Hampden County Court House
Springfield, Massachusetts

Charles W. Bray, Chairman

Gentlemen:

In accordance with your instructions, I have examined the conditions at 9-Mile Pond in North Wilbraham and submit the following report:

Mr. James L. Tighe, the County Engineer in 1946, made an examination of the conditions at this location and submitted a report, a copy of which is attached.

In 1947 I examined the conditions at this location with the Board of Selectmen of Wilbraham. The conditions today are the same as described in Mr. Tighe's report in 1946 and as I found them in 1947, namely:

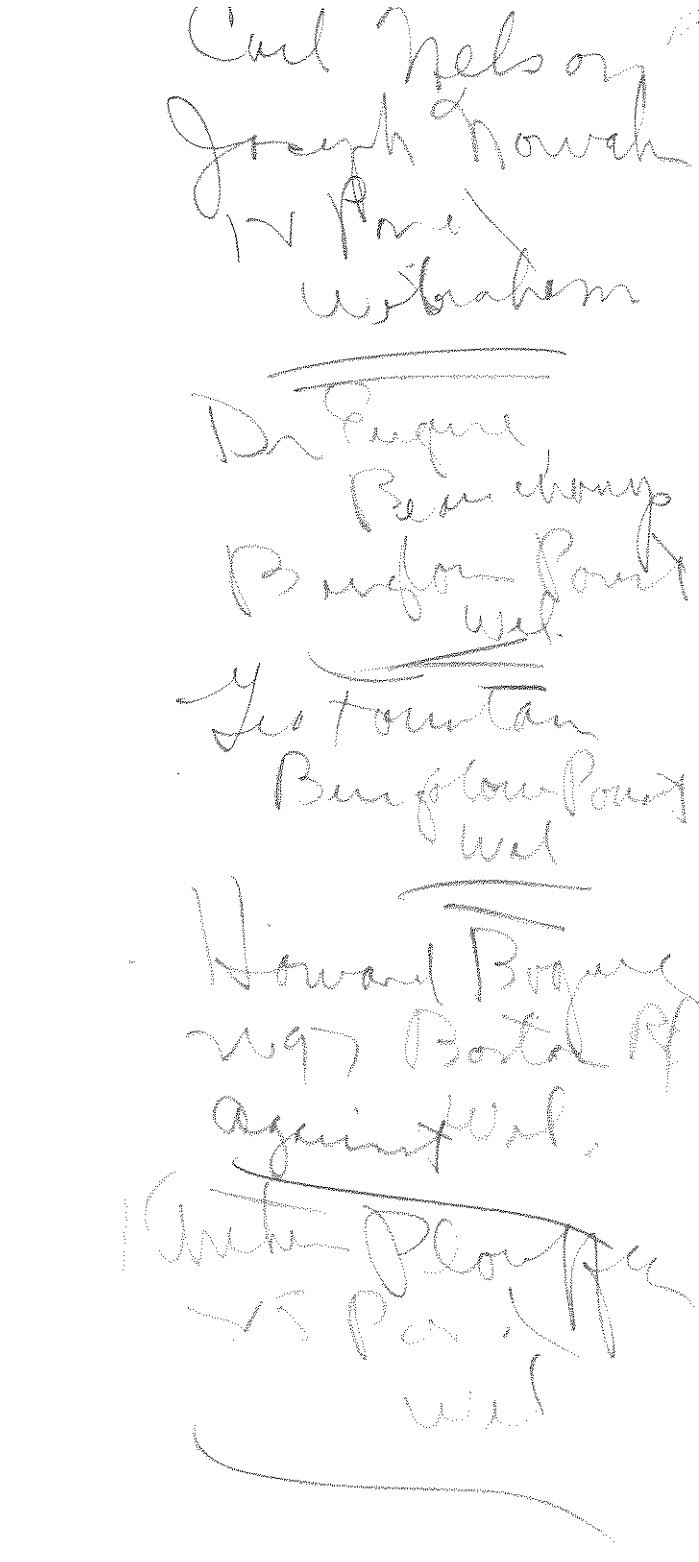
9-Mile Pond is about one foot higher than its normal dry weather height, the drainage ditch is filled with water and overflowing at some points flooding private ways and causing a swampy condition.

I can submit no recommendation in addition to those made by Mr. Tighe in 1946.

Very truly yours,

Philip E. Bond
County Hydraulic Engineer

Enc.


Carl Nelson
Joseph Nowak
W Paul
Abraham
Dr Pugsley
Bon champ
Bunker Point
used.
Geo Fountain
Bunker Point
used
Howard Bugsley
Bunker Point
against used.
Walter Plourde
Bunker Point
used

Hampden, ss: County Commissioners' Meeting April 7, 1954

Acting under the provisions of Chapter ~~343~~ 253 of the Acts of ~~1951~~ 1955, the County Commissioners of Hampden County now lay out a right of way for public access to ~~Loon Pond~~ Nine Mile Pond in the ~~City of Springfield~~ Town of Wilbraham in accordance with a plan approved ~~April 5, 1954~~ May 6, 1957 by the State Department of Public Works.

~~Loon Pond 1954 Layout in Springfield~~ Nine Mile Pond 1957 Layout in Wilbraham

The layout is located at ~~Pasco Road, Springfield~~, Massachusetts, beginning at a point 520.00 feet distant from the intersection of the northerly street line of Boston Road and the easterly Street line of Pasco Road in said Springfield and is hereinafter described as follows:

Beginning at a point in the easterly street line of Pasco Street said point being N 14° 59' 12" W and distant 520.00 feet from the intersection of the northerly street line of Boston Road and the easterly street line of Pasco Street as measured along the easterly street line of said Pasco Street; thence running N 14° 59' 12" W along the easterly street line of Pasco Street a distance of 175.00 feet to a point; thence running N 75° 00' 48" E along land now or formerly of Archer W. Davidson a distance of 150 feet more or less to the shore of Loon Pond; thence running southeasterly along the westerly shore of Loon Pond a distance of 88 feet more or less to a point; thence running S 46° 50' 05" W along other land of said Archer W. Davidson a distance of 200 feet more or less to the easterly street line of Pasco Street at the point of beginning.

AND the following described parcel of land is taken in fee for the purposes of said right of way for public access by right of eminent domain under Chapter 79 of the General Laws and all acts in amendment thereof and in addition thereto. All land taken is located in the ~~City of Springfield~~ Town of Wilbraham in said County.

PARCEL NO. 1. A parcel of land supposed to be owned by ~~Archer W. Davidson~~ Barton P. Sullivan & Westerly located on the ~~easterly~~ side of ~~Pasco~~ Pond Road bounded and described as follows:

Beginning at a point in the easterly street line of Pasco Street said point being N 14° 59' 12" W and distant 520.00 feet from the intersection of the northerly street line of Boston Road and the easterly street line of Pasco Street as measured along the easterly street line of said Pasco Street; thence running N 14° 59' 12" W along the easterly street line of Pasco Street a distance of 175.00 feet to a point; thence running N 75° 00' 48" E along land now or formerly of Archer W. Davidson a distance of 150 feet more or less to the shore of Loon Pond; thence running southeasterly along the westerly shore of Loon Pond a distance of 88 feet more or less to a point; thence running S 46° 50' 05" W along other land of said Archer W. Davidson a distance of 200 feet more or less to the easterly street line of Pasco Street at the point of beginning.

The layout and land taking above described is indicated on plan prepared for the County Commissioners of Hampden County dated ~~September 1953~~ April 10, 1957 on file in the Hampden County Registry of Deeds and Clerk of Courts Office also in the ~~City~~ Town Clerk's Office and marked as follows:

AND the following described parcel of land is taken in fee for the purposes of said right of way for public access by right of eminent domain under Chapter 79 of the General Laws and all acts in amendment thereof and in addition thereto. All land taken is located in the ~~City of Springfield~~ Town of Wilbraham in said County.

PARCEL NO. 1. A parcel of land supposed to be owned by ~~Archer W. Davidson~~ BARTON P. SULLIVAN located on the ~~easterly~~ westerly side of ~~Pasco~~ Pond Road bounded and described as follows:

Beginning at a point in the easterly street line of Pasco Street said point being N 14° 59' 12" W and distant 520.00 feet from the intersection of the northerly street line of Boston Road and the easterly street line of Pasco Street as measured along the easterly street line of said Pasco Street; thence running N 14° 59' 12" W along the easterly street line of Pasco Street a distance of 175.00 feet to a point; thence running N 75° 00' 48" E along land now or formerly of Archer W. Davidson a distance of 150 feet more or less to the shore of Loon Pond; thence running southeasterly along the westerly shore of Loon Pond a distance of 88 feet more or less to a point; thence running S 46° 50' 05" W along other land of said Archer W. Davidson a distance of 200 feet more or less to the easterly street line of Pasco Street at the point of beginning.

The layout and land taking above described is indicated on plan prepared for the County Commissioners of Hampden County dated ~~September 1953~~ APRIL 10, 1957 on file in the Hampden County Registry of Deeds and Clerk of Courts Office also in the ~~City~~ TOWN Clerk's Office and marked as follows:

Springfield, Mass.
Department of Streets and Engineering
Plan of Land to be Acquired
For Public Access to
LOON POND
In Accordance with Chapter 343 of the Acts of 1951
- Prepared for -
HAMPDEN COUNTY COMMISSIONERS

Scale 1" = 50' September 1953

AND the owner of the land over which said right of way is laid out is allowed until the first day of October next to remove therefrom his buildings, wood, timber or trees. The Commissioners having heard the proprietor of said land, by himself, or his agents, so far as they have expressed the desire to be heard on the subject of damages, by him sustained by reason of laying out said right of way, have estimated the same as follows, to wit:

TO- ~~Archer W. Davidson~~ Barton F. Sullivan $1.00

Payment to be made to the above described party damaged to the amount that may be found to be his due, by the ~~City of Springfield~~ Town of Wilbraham, when entry is actually made upon the premises for purposes of a right of way.

Any work required to be done in the carrying out of said order, to be done and performed by the ~~City of Springfield~~ Town of Wilbraham.

All land, grade, drainage and other legal damages shall be paid by the City of Springfield Town of Wilbraham.

Thomas F. Sullivan)
: County
William F. Stapleton) Commissioners
: of the County
Ralph P. Walsh) of Hampden

Hampden, ss: County Commissioners' Meeting May 26, 1954

The foregoing report is filed and accepted, and thereupon it is ordered that the said right of way be a right of way for public access forever.

Attest: Edward G. Shea Clerk

A true copy,

Attest: Edward G. Shea Clerk

Chapter 552.

THE COMMONWEALTH OF MASSACHUSETTS

In the Year One Thousand Nine Hundred and Fifty-five

AN ACT PROVIDING FOR THE ESTABLISHMENT OF A RIGHT OF WAY FOR PUBLIC ACCESS TO NINE MILE POND IN THE TOWN OF WILBRAHAM.

Be it enacted by the Senate and House of Representatives in General Court assembled, and by the authority of the same, as follows: SECTION 1. The county commissioners of Hampden county are hereby authorized and directed to lay out a right of way for public access to Nine Mile pond in the town of Wilbraham, in accordance with plans to be approved by the department of public works showing the location and dimensions of such right of way. If it is necessary to acquire land for the purpose of laying out such right of way, said county commissioners shall at the time such right of way is laid out take such land by eminent domain under chapter seventy-nine of the General Laws. Any person sustaining damages in his property by the laying out of such a right of way, or by specific repairs or improvements thereon, shall be entitled to recover the same under said chapter seventy-nine; provided, that the right to recover damages, if any, by reason of the laying out of such right of way, shall vest upon the recording of the order of taking by said county commissioners, and that no entry or possession for the purpose of constructing a public way on land so taken shall be required for the purpose of validating such taking or for the payment of damages by reason thereof. SECTION 2. The selectmen of the town of Wilbraham, from time to time, may make specific repairs on or improve such right of way to such extent as they may deem necessary, but neither the county of Hampden, nor any city or town therein, shall be required to keep such right of way in repair, nor shall they be liable for injury sustained by persons traveling thereon; provided, that sufficient notice to warn the public is posted where such way enters upon or unites with any existing public way. SECTION 3. All expenses incurred by said county commissioners in connection with such right of way shall be borne by the county of Hampden, or by such cities and towns therein and in such proportions as said county commissioners may determine. SECTION 4. Said right of way shall not be discontinued or abandoned without authority therefor from the general court. SECTION 5. Nothing in this act shall be construed to limit the powers of the department of public health, or any local board of health, under any general or special law.

House of Representatives, April -- 1955.

Passed to be enacted, [illegible] Speaker.

In Senate, April 4, 1955.

Passed to be enacted, Richard I. Furbush President.

April 6, 1955.

Approved,

Christian A. Herter

Governor.

The Commonwealth of Massachusetts

Office of the Secretary

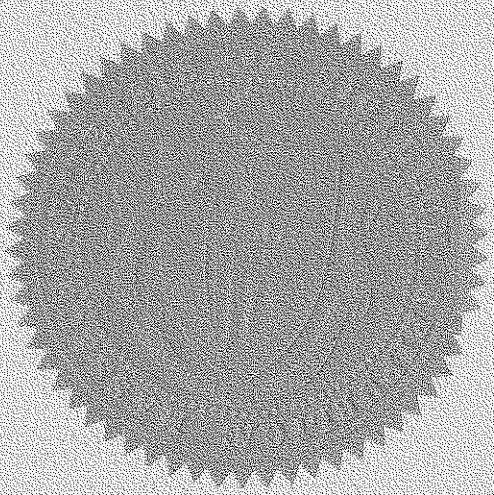
State House, Boston 33

APR 8 1955

Edward J. Cronin

Secretary of the Commonwealth

I Hereby Certify the Attached to be a True Photostatic Copy.



Witness the Great Seal of the Commonwealth.

Edward J. Cronin

EDWARD J. CRONIN
Secretary of the Commonwealth.

Wide Pad
Widths

Extra Widths
to Suit Some Portfolio
Waste Widths

Treasurer
Elizabeth Anderson
26 Wigwam Place
Springfield, Mass.
Tel. 9-1573

President
M. Dowds
31 Charpentier Street
Willimansett, Mass.

Secretary
E. C. Vasa
164 Denver Street
Springfield, Mass.
Tel. Spfld. 6-6149

Ludlow Fish and Game Association, Inc.
West Springfield Fish and Game Club
Wilbraham Fish and Game Club, Inc.
Springfield Sportsman's Club, Inc.
Springfield Revolver Club
Pioneer Valley Sportsmans Club
Saltwater Sportsmens Club of Western Mass.
Holyoke Beagle Club
Spalding Fish and Game Club
Westfield Sportsmans Club

Agawam Sportsmans Club, Inc.
Chicopee Rod and Gun Club
Fairview Fish and Game Association, Inc.
Holyoke Fish and Game Assn. Inc.
Western Massachusetts Beagle Club
Westfield Beagle Club, Inc.
Hampden County Women's Rod and and Gun Club, Inc.
Chester Rod and Gun Club
Mawaga Sporting Club
Chicopee Sportsman's Club

The Council of Sportsmen's Clubs of Hampden County

COPY

July 5th. 1955
16½ Denver St.
Springfield 9 Mass.

To the County Commissioners
Springfield Mass.

Messers;
Sullivan
Stapleton
Walsh

Gentlemen:

As Secretary of the above Council I have been instructed to recall to you the recent action of the Courts of this State. And to respectfully request you to take action on Rights of Way to 9-Mile pond and Hampden pond at Middle Pond.

May we thank you, at this time, for the help you have been in the past and the splendid cooperation with which you have acted for our requests regarding the various Rts. of Way to Great Ponds .

Sincerely,
Elizabeth C. Vasa
Elizabeth C. Vasa Secretary.

July 14,1955

Elizabeth C. Vasa, Secretary,
The Council of Sportsmen's Clubs
of Hampden County,
164 Denver Street,
Springfield 9, Mass.

Dear Madam:

The County Commissioners of Hampden County have asked me to acknowledge receipt of your letter dated July 5, 1955 in which you indicated legislative action by the State Legislature with respect to rights of way to Nine Mile Pond and Hampden Pond at Middle Pond.

The County Commissioners are aware of legislative action with respect to Nine Mile Pond in Wilbraham and Chapin Pond in Ludlow. However, they have not been informed of a right of way to Hampden Pond at Middle Pond.

Would you be so kind as to inform this office of the number of the Act by which the County Commissioners of Hampden County are empowered to acquire a right of way to Hampden Pond at Middle Pond.

May I at this time state that it is the intention of the Hampden County Commissioners within the immediate future to begin taking the necessary steps to acquire rights of way to Nine Mile Pond and to Chapin Pond.

Very truly yours,

HAMPDEN COUNTY COMMISSIONERS

By_____
Counsel.

WJF/N

Telephone 47 Daytimes
733-W Evenings

Successor to
R. O. & G. F. Dingman

KENNETH C. SHERMAN

Engineer - Surveyor

54 High Street PALMER, MASS.

April 16, 1956

County Commissioners
Elm Street
Springfield, Mass.

Gentlemen:

In reference to the recent proposed public access to Nine Mile Pond in Wilbraham, I would like to advise that while driving back and forth from Palmer to Springfield, I have observed that someone is erecting a cinder block type building right where I have proposed the access to the pond.

The simplest solution would be for me to locate the new structure and move the proposed access further south and have it partly on land shown as Howard Bogue.

May I hear from you regarding this matter.

Very truly yours,

Kenneth C Sherman

Kenneth C. Sherman

KCS:is

COMMONWEALTH OF MASSACHUSETTS

Hampden, ss: County Commissioners' Meeting July 11,1956

WHEREAS the General Court by an Act known as Chapter 253 of the year 1955 did provide for the establishment of a right of way for public access to Nine Mile Pond in the Town of Wilbraham, and did further authorize and direct the County Commissioners of Hampden County to lay out said right of way; the said County Commissioners hereby give notice that they will meet for the purpose of viewing the premises and hearing all parties interested, at the public bathing beach of Nine Mile Pond in the Town of Wilbraham, on the first day of August next at 2:30 P.M.; and it is ordered by the Commissioners that a copy of this notice be served by the Sheriff of said County, or his Deputy, upon the Clerk of the Town of Wilbraham in said County, fifteen days at least before the said 1st day of August and that all other persons and corporations interested therein be notified, by publishing a copy of this notice and this order thereon, twice in the Springfield Union and Daily News, public newspapers printed in said county, the last publication to be seven days at least before the time of said view and hearing, and that copies of this notice, or abstracts containing the substance thereof and this order, be posted by said Sheriff or Deputy, in two public places in the Town of Wilbraham seven days before said 1st day of August 1956.

_____)
_____ : County
_____) Commissioners
_____ : of the County
_____) of Hampden

Spfld Union

Page 19

July 17,1956

Legal Notices

COMMONWEALTH of MASSACHUSETTS
Hampden, ss. July 11, 1956
County Commissioners' Meeting

WHEREAS the General Court by an Act known as Chapter 253 of the year 1955 did provide for the establishment of a right of way for public access to Nine Mile Pond in the Town of Wilbraham, and did further authorize and direct the County Commissioners of Hampden County to lay out said right of way;

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WILLIAM F. STAPLETON
THOMAS F. SULLIVAN
RALPH P. WALSH
County Commissioners of the County of Hampden

(July 17-23)

Daily News Page 9 - July 17/56

COMMONWEALTH of MASSACHUSETTS
Hampden, ss: July 11, 1956
County Commissioners' Meeting

WHEREAS the General Court by an Act known as Chapter 253 of the year 1955 did provide for the establishment of a right of way for public access to Nine Mile Pond in the Town of Wilbraham, and did further authorize and direct the County Commissioners of Hampden County to lay out said right of way; the said County Commissioners hereby give notice that they will meet for the purpose of viewing the premises and hearing all parties interested, at the public bathing beach of Nine Mile Pond in the Town of Wilbraham, on the first day of August next at 2:30 P. M.; and it is ordered by the Commissioners that a copy of this notice be served by the Sheriff of said County, or his Deputy, upon the Clerk of the Town of Wilbraham in said County, fifteen days at least before the said 1st day of August and that all other persons and corporations interested therein be notified, by publishing a copy of this notice and this order thereon, twice in The Springfield Union and Daily News, public newspapers printed in said county, the last publication to be seven days at least before the time of said view and hearing, and that copies of this notice, or abstracts containing the substance thereof and this order, be posted by said Sheriff or Deputy, in two public places in the Town of Wilbraham seven days before said 1st day of August 1956.

WILLIAM F. STAPLETON
THOMAS F. SULLIVAN
RALPH P. WALSH
County Commissioners of the County of Hampden

(July 17-23)

Advertisement in Papers

July 17th and 23rd, 1956

Nine Mile Pond, Wilbraham, Mass.

July 16, 1956

Springfield Union and Daily News,
Legal Advertising,
Fort Street,
Springfield, Mass.

Dear Sirs:

Kindly publish the enclosed NOTICES TO VIEW in re: establishment of a right of way for public access to Chapin Pond in the Town of Ludlow and to Nine Mile Pond in the Town of Wilbraham, on the following dates:

July 17th and 23rd, 1956

Charge to County of Hampden and send newspapers to County Commissioners' Office, Court House, 37 Elm Street, Springfield, Mass.

Very truly yours,
HAMPDEN COUNTY COMMISSIONERS

By _____
Chairman.

WFS/N
2 encls.

April 18, 1956

Mr. Kenneth C. Sherman,
54 High Street,
Palmer, Mass.

Dear Mr. Sherman:

The County Commissioners would like to have you attend their meeting on Wednesday morning, April 25, 1956, to discuss the rights of way and public access to Ponds. Please bring any plans or maps you may have relating to Nine Mile Pond and Chapin Pond.

Very truly yours,

HAMPDEN COUNTY COMMISSIONERS

By _____
Chairman.

WFS/N

day of August next at 2:30 P.M.; and it is ordered by the Commissioners that a copy of this notice be served by the Sheriff of said County, or his Deputy, upon the Clerk of the Town of Wilbraham in said County, fifteen days at least before the said 1st day of August and that all other persons and corporations interested therein be notified, by publishing a copy of this notice and this order thereon, twice in the Springfield Union and Daily News, public newspapers printed in said county, the last publication to be seven days at least before the time of said view and hearing, and that copies of this notice, or abstracts containing the substance thereof and this order, be posted by said Sheriff or Deputy, in two public places in the Town of Wilbraham seven days before said 1st day of August 1956.

William F. Hanlehorn
Thomas F. Sullivan) Commissioners of the County of Hampden
Ralph P. Walsh

Officer's Return.
Hampden,SS. Town of Wilbraham, July 16th A.D. 1956.

I hereby certify that on this day at 10 minutes past four o'clock in the afternoon, I served a true and attested copy of this Notice to View to Walter F. Berry, its clerk of the town of Wilbraham,
and afterwards on the same 16th day of July A.D. 1956, at twelve minutes past four o'clock in the afternoon, posted a true and attested copy of the said Notice to View on the said bulletin board in the Town Hall in said Town of Wilbraham, in the county of Hampden,
and afterwards on the same 16th day of July A.D. 1956, at fifteen minutes past four o'clock in the afternoon, posted a true and attested copy of the said Notice to View on the bulletin board in the Post Office in said Town of Wilbraham, in the county of Hampden.

Joseph Cashen
Deputy Sheriff

Fees:		
	Service	2.00
	Posting	2.00
	Copies	3.00
	Travel 12 mi.	1.20
	use of car	1.80
		$10.00

Hampden, ss: In the service of this Notice to View it was necessary for me to use a motor vehicle, and I have actually used such conveyance 12 miles.

Joseph Cashen

Returned- Jul

Establishment of
way for public ac
Nine Mile Pond in
of Wilbraham.

Telephone 47 Daytimes
733-W Evenings

Successor to
R. O. & G. F. Dingman

KENNETH C. SHERMAN

Engineer - Surveyor

PALMER, MASS.

April 12, 1957

Description of a parcel of land in Wilbraham, Mass., to be taken by the Hampden County Commissioners for a Public Access to Nine Mile Pond, also called Lake Memchonis.

A certain parcel of land in Wilbraham, Hampden County, Mass., on the Southwesterly side of Pond Road, formerly the 1904 State Highway Layout, now a town way, bounded and described as follows:

BEGINNING at a Massachusetts Highway Bound in the Southwesterly line of said Pond Road opposite Station 87 + 32.97, and running thence

S 45° 02' 50" E 10.78 feet along the Southwesterly line of said Pond Road to an Iron Pin at land of the grantor; thence turning and running

S 44° 57' 10" W 25.17 feet along said grantor's land to an Iron Pin on the shore of Nine Mile Pond; thence turning and running

Northwesterly along the shore of said Nine Mile Pond about 25 feet to an Iron Pin at other land of the grantor, a straight line tie distance between the last two mentioned Iron Pins is N 43° 30' 50" W 25.0 feet; thence turning and running

N 44° 58' 10" E 24.15 feet along said grantor's land to a Concrete Bound in the Southwesterly line of the aforementioned Pond Road; thence turning and running

Southeasterly in a curve to the Right with a radius of 295.0 feet, a length of 14.22 feet along the Southwesterly line of said Pond Road to the POINT OF BEGINNING.

Contains about 617 square feet.

Telephone 47 Daytimes
733-W Evenings

Successor to
R. O. & G. F. Dingman

KENNETH C. SHERMAN

Engineer - Surveyor

PALMER, MASS.

April 12, 1957

Description of a parcel of land in Wilbraham, Mass., to be taken by the Hampden County Commissioners for a Public Access to Nine Mile Pond, also called Lake Nanchonis.

A certain parcel of land in Wilbraham, Hampden County, Mass., on the Southwesterly side of Pond Road, formerly the 1934 State Highway Layout, now a town way, bounded and described as follows:

BEGINNING at a Massachusetts Highway Bound in the Southwesterly line of said Pond Road opposite Station 87 + 32.97, and running thence

S 45° 05' 50" E 10.76 feet along the Southwesterly line of said Pond Road to an Iron Pin at land of ~~the grantor~~ Barton P. Sullivan; thence turning and running

S 44° 57' 10" W 25.17 feet along ~~said grantor's~~ land to an Iron Pin on the shore of Nine Mile Pond; thence turning and running

Northwesterly along the shore of said Nine Mile Pond about 25 feet to an Iron Pin at other land of ~~the grantor~~, a straight line the distance between the last two mentioned Iron Pins is N 45° 30' 50" W 25.0 feet; thence turning and running

N 44° 50' 10" E 26.25 feet along said ~~grantor's~~ land to a Concrete Bound in the Southwesterly line of the aforementioned Pond Road; thence turning and running

Southeasterly in a curve to the Right with a radius of 295.0 feet, a length of 14.22 feet along the Southwesterly line of said Pond Road to the POINT OF BEGINNING.

Contains about 617 square feet.

Telephone 47 Daytimes
733-W Evenings

Successor to
R. O. & G. F. Dingman

KENNETH C. SHERMAN

Engineer - Surveyor

PALMER, MASS.

April 12, 1957

Description of a parcel of land in Wilbraham, Mass., to be taken by the Hampden County Commissioners for a Public Access to Nine Mile Pond, also called Lake Manchonis.

A certain parcel of land in Wilbraham, Hampden County, Mass., on the Southwesterly side of Pond Road, formerly the 1904 State Highway Layout, now a town way, bounded and described as follows:

BEGINNING at a Massachusetts Highway Bound in the Southwesterly line of said Pond Road opposite Station 87 + 32.97, and running thence

S 45° 02' 50" E 10.78 feet along the Southwesterly line of said Pond Road to an Iron Pin at land of the grantor; thence turning and running

S 44° 57' 10" W 25.17 feet along said grantor's land to an Iron Pin on the shore of Nine Mile Pond; thence turning and running

Northwesterly along the shore of said Nine Mile Pond about 25 feet to an Iron Pin at other land of the grantor, a straight line tie distance between the last two mentioned Iron Pins is N 43° 30' 50" W 25.0 feet; thence turning and running

N 44° 58' 10" E 24.15 feet along said grantor's land to a Concrete Bound in the Southwesterly line of the aforementioned Pond Road; thence turning and running

Southeasterly in a curve to the Right with a radius of 295.0 feet, a length of 14.22 feet along the Southwesterly line of said Pond Road to the POINT OF BEGINNING.

Contains about 617 square feet.

Telephone 47 Daytimes
733-W Evenings

Successor to
R. O. & G. F. Dingman

KENNETH C. SHERMAN

Engineer - Surveyor

PALMER, MASS.

April 12, 1957

Description of a parcel of land in Wilbraham, Mass., to be taken by the Hampden County Commissioners for a Public Access to Nine Mile Pond, also called Lake Nanchonis.

A certain parcel of land in Wilbraham, Hampden County, Mass., on the Southwesterly side of Pond Road, formerly the 1904 State Highway Layout, now a town way, bounded and described as follows:

BEGINNING at a Massachusetts Highway Bound in the Southwesterly line of said Pond Road opposite Station 67 + 32.97, and running thence

S 45° 02' 50" E 10.76 feet along the Southwesterly line of said Pond Road to an Iron Pin at land of the grantor; thence turning and running

S 44° 57' 10" W 25.17 feet along said grantor's land to an Iron Pin on the shore of Nine Mile Pond; thence turning and running

Northwesterly along the shore of said Nine Mile Pond about 25 feet to an Iron Pin at other land of the grantor, a straight line the distance between the last two mentioned Iron Pins is N 43° 30' 50" W 25.0 feet; thence turning and running

N 44° 57' 10" E 24.15 feet along said grantor's land to a Concrete Bound in the Southwesterly line of the aforementioned Pond Road; thence turning and running

Southeasterly in a curve to the Right with a radius of 495.0 feet, a length of 14.22 feet along the Southwesterly line of said Pond Road to the POINT OF BEGINNING.

Contains about 617 square feet.

November 23, 1956

Mr. Kenneth C. Sherman,
15 Grove Street,
Palmer, Massachusetts.

Dear Mr. Sherman:

Will you kindly come in to the County Commissioners' Office next Wednesday, Nov. 28, 1956, about 11:30 A.M. I want to discuss with you the right-of-way to Nine Mile Pond, Wilbraham.

Very truly yours,

COUNSEL FOR HAMPDEN
COUNTY COMMISSIONERS.

WJF/N

April 25, 1957

To the Director,
Division of Waterways,
Department of Public Works,
100 Nashua Street,
Boston, Mass.

Dear Sir:

There is being forwarded under separate cover, a tracing showing the right of way to Nine Mile Pond, Town of Wilbraham, which has been approved by the County Commissioners of Hampden County on April 17, 1957. This tracing is being sent to your office for approval by the Commissioners of the Department of Public Works.

Very truly yours,

HAMPDEN COUNTY COMMISSIONERS

By_____
Counsel.

WJF/N

The layout is located on Pond Road, Wilbraham, Massachusetts at or near the intersection of Pond Road and Boston Road in said Wilbraham and is hereinafter described as follows:

Barton F. Sullivan

The Commonwealth of Massachusetts

Department of Public Works

Division of Waterways

100 Nashua Street, Boston 14

May 10, 1957

Hampden County Commissioners,
37 Elm Street,
Springfield, Massachusetts.

Gentlemen:

There is forwarded under separate cover a tracing showing the right of way to Nine Mile Pond, Wilbraham which has been executed by the Commissioners on May 6th, 1957.

Very truly yours,

Rodolphe G Bessette

RODOLPHE G BESSETTE
Director Division of Waterways.

Plan returned
& received May 14, 1957

COMMONWEALTH OF MASSACHUSETTS

Hampden, ss: County Commissioners' Meeting May 22, 1957

Acting under the provisions of Chapter 253 of the Acts of 1955, the County Commissioners of Hampden County now lay out a right of way for public access to Nine Mile Pond in the Town of Wilbraham in accordance with a plan approved May 6, 1957 by the State Department of Public Works.

Nine Mile Pond 1957 Layout in Wilbraham

The layout is located on Pond Road, Wilbraham, Massachusetts at or near the intersection of Pond Road and Boston Road in said Wilbraham and is hereinafter described as follows:

A certain parcel of land in Wilbraham, Hampden County, Mass., on the Southwesterly side of Pond Road, formerly the 1904 State Highway Layout, now a town way, bounded and described as follows:

BEGINNING at a Massachusetts Highway Bound in the Southwesterly line of said Pond Road opposite Station 87+32.97, and running thence

S 45° 02' 50" E 10.78 feet along the Southwesterly line of said Pond Road to an Iron Pin at land of one Barton P. Sullivan; thence turning and running

N 44° 58' 10" E 24.15 feet along said land of said Sullivan to a Concrete Bound in the Southwesterly line of the aforementioned Pond Road; thence turning and running

Southeasterly in a curve to the right with a radius of 295.0 feet, a length of 14.22 feet along the Southwesterly line of said Pond Road to the POINT OF BEGINNING.

Contains about 617 square feet.

AND the following described parcel of land is taken in fee for the purposes of said right of way for public access by right of eminent domain under Chapter 79 of the General Laws and all acts in amendment thereof and in addition thereto. All land taken is located in the Town of Wilbraham in said County.

PARCEL NO. 1. A parcel of land supposed to be owned by Barton P. Sullivan located on the Southwesterly side of Pond Road bounded and described as follows:

A certain parcel of land in Wilbraham, Hampden County, Mass., on the Southwesterly side of Pond Road, formerly the 1904 State Highway Layout, now a town way, bounded and described as follows:

Northwesterly along the shore of said Nine Mile Pond about 25 feet to an Iron Pin at other land of said Sullivan, a straight line the distance between the last two mentioned Iron Pins is N 43° 30' 50" W 25.0 feet, thence turning and running

N 44° 58' 10" E 24.15 feet along said land of said Sullivan to a Concrete Bound in the Southwesterly line of the aforementioned Pond Road; thence turning and running

Southeasterly in a curve to the right with a radius of 295.0 feet, a length of 14.22 feet along the Southwesterly line of said Pond Road to the POINT OF BEGINNING.

Contains about 617 square feet.

The layout and land taking above described is indicated on plan prepared for the County Commissioners of Hampden County dated April 10, 1957 on file in the Hampden County Registry of Deeds and Clerk of Courts Office also in the Town Clerk's Office and marked as follows:

Plan of a proposed access to
NINE MILE POND, WILBRAHAM, MASS.
Surveyed For The
HAMPDEN COUNTY COMMISSIONERS

ers having heard the proprietor of said land, by himself, or his agents, so far as they have expressed the desire to be heard on the subject of damages, by him sustained by reason of laying out said right of way, have estimated the same as follows, to wit;

TO- Barton P. Sullivan $1.00

Payment to be made to the above described party damaged to the amount that may be found to be his due, by the Town of Wilbraham, when entry is actually made upon the premises for purposes of a right of way.

Any work required to be done in the carrying out of said order, to be done and performed by the Town of Wilbraham. All land, grade, drainage, and other legal damages shall be paid by the Town of Wilbraham.

William F.Stapleton)
Thomas F. Sullivan) County Commissioners of the County of Hampden
Ralph P. Walsh)

Hampden, ss: County Commissioners' Meeting May 22, 1957

The foregoing report is filed and accepted, and thereupon it is ordered that the said right of way be a right of way for

COMMONWEALTH OF MASSACHUSETTS

Hampden, ss: County Commissioners' Meeting May 22, 1957

Acting under the provisions of Chapter 253 of the Acts of 1955, the County Commissioners of Hampden County now lay out a right of way for public access to Nine Mile Pond in the Town of Wilbraham in accordance with a plan approved May 6, 1957 by the State Department of Public Works.

Nine Mile Pond 1957 Layout in Wilbraham

The layout is located on Pond Road, Wilbraham, Massachusetts at or near the intersection of Pond Road and Boston Road in said Wilbraham and is hereinafter described as follows:

A certain parcel of land in Wilbraham, Hampden County, Mass., on the Southwesterly side of Pond Road, formerly the 1904 State Highway Layout, now a town way, bounded and described as follows:

BEGINNING at a Massachusetts Highway Bound in the Southwesterly line of said Pond Road opposite Station 87+32.97, and running thence

S 45° 02' 50" E 10.78 feet along the Southwesterly line of said Pond Road to an Iron Pin at land of one Barton P. Sullivan; thence turning and running

S 44° 57' 10" W 25.17 feet along land of said Sullivan to an Iron Pin on the shore of Nine Mile Pond; thence turning and running

Northwesterly along the shore of said Nine Mile Pond about 25 feet to an Iron Pin at other land of said Sullivan, a straight line the distance between the last two mentioned Iron Pins is N 43° 30' 50" W 25.0 feet, thence turning and running

N 44° 58' 10" E 24.15 feet along said land of said Sullivan to a Concrete Bound in the Southwesterly line of the aforementioned Pond Road; thence turning and running

Southeasterly in a curve to the right with a radius of 295.0 feet, a length of 14.22 feet along the Southwesterly line of said Pond Road to the POINT OF BEGINNING.

Contains about 617 square feet.

AND the following described parcel of land is taken in fee for the purposes of said right of way for public access by right of eminent domain under Chapter 79 of the General Laws and all acts in amendment thereof and in addition thereto. All land taken is located in the Town of Wilbraham in said County.

PARCEL NO. 1. A parcel of land supposed to be owned by Barton P. Sullivan located on the Southwesterly side of Pond Road bounded and described as follows:

A certain parcel of land in Wilbraham, Hampden County, Mass., on the Southwesterly side of Pond Road, formerly the 1904 State Highway Layout, now a town way, bounded and described as follows:

BEGINNING at a Massachusetts Highway Bound in the Southwesterly line of said Pond Road opposite Station 87+32.97, and running thence

S 45° 02' 50" E 10.78 feet along the Southwesterly line of said Pond Road to an Iron Pin at land of one Barton P. Sullivan; thence turning and running

S 44° 57' 10" W 25.17 feet along land of said Sullivan to an Iron Pin on the shore of Nine Mile Pond; thence turning and running

Northwesterly along the shore of said Nine Mile Pond about 25 feet to an Iron Pin at other land of said Sullivan, a straight line the distance between the last two mentioned Iron Pins is N 43° 30' 50" W 25.0 feet, thence turning and running

N 44° 58' 10" E 24.15 feet along said land of said Sullivan to a Concrete Bound in the Southwesterly line of the aforementioned Pond Road; thence turning and running

Southeasterly in a curve to the right with a radius of 295.0 feet, a length of 14.22 feet along the Southwesterly line of said Pond Road to the POINT OF BEGINNING.

Contains about 617 square feet.

The layout and land taking above described is indicated on plan prepared for the County Commissioners of Hampden County dated April 10, 1957 on file in the Hampden County Registry of Deeds and Clerk of Courts Office also in the Town Clerk's Office and marked as follows:

Plan of a proposed access to
NINE MILE POND, WILBRAHAM, MASS.
Surveyed For The
HAMPDEN COUNTY COMMISSIONERS

Scale 1" = 10' April 10, 1957

Kenneth C. Sherman
Engineer - Surveyor
Palmer, Mass.

LAND TO BE ACQUIRED FOR PUBLIC ACCESS IN ACCORDANCE WITH CHAPTER 253 OF THE ACTS OF 1955.

AND the owner of the land over which said right of way is laid out is allowed until the first day of July next to remove therefrom his buildings, wood, timber or trees. The Commission-

ers having heard the proprietor of said land, by himself, or his agents, so far as they have expressed the desire to be heard on the subject of damages, by him sustained by reason of laying out said right of way, have estimated the same as follows, to wit;

TO- Barton P. Sullivan $1.00

Payment to be made to the above described party damaged to the amount that may be found to be his due, by the Town of Wilbraham, when entry is actually made upon the premises for purposes of a right of way.

Any work required to be done in the carrying out of said order, to be done and performed by the Town of Wilbraham. All land, grade, drainage, and other legal damages shall be paid by the Town of Wilbraham.

William F. Stapleton)
Thomas F. Sullivan) County Commissioners of the County of Hampden
Ralph R. Walsh)

Hampden, ss: County Commissioners' Meeting May 22, 1957

The foregoing report is filed and accepted, and thereupon it is ordered that the said right of way be a right of way for public access forever.

Attest: Edward G. Shea Clerk.

June 3, 1957

Rodolphe G. Bessette, Director,
Division of Waterways,
Department of Public Works,
100 Nashua Street,
Boston 14, Mass.

Dear Mr. Bessette:

Enclosed herewith for your files is an attested copy of the County Commissioners' Decree in the matter of the layout of a right of way for public access to Nine Mile Pond in the Town of Wilbraham. Plan also is enclosed.

Very truly yours,

HAMPDEN COUNTY COMMISSIONERS

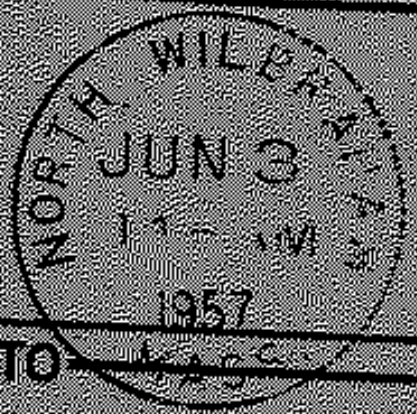
By_____
Chairman.

WFS/N
encl.

POST OFFICE DEPARTMENT

OFFICIAL BUSINESS

PENALTY FOR PRIVATE USE TO AVOID PAYMENT OF POSTAGE, $300 (GPO)



POSTMARK OF DELIVERING OFFICE

RETURN TO

REGISTERED NO.

CERTIFIED NO.

7476 05

INSURED NO.

NAME OF SENDER

Hampden County Commissioners

STREET AND NO. OR P. O. BOX

Court House, 37 Elm Street

POST OFFICE

Springfield 3,

STATE

Massachusetts.

POD Form 3811
July 1955

☆ U. S. GOVERNMENT PRINTING OFFICE : 1955 — 250304-2n

DELIVERING EMPLOYEE

☐ Deliver ONLY to addressee. *(Does not apply to Certified mail.)*

☐ Show address where delivered.

Received from the Postmaster the Registered, Certified, or Insured Article, the number of which appears on the face of this return receipt.

1. _____

(Signature or name of addressee)

2. _____

(Signature of addressee's agent—Agent should enter addressee's name on line ONE above)

Date of Delivery _____, 19_____.

_____

An attested copy of County Commissioners' Decree dated May 22, 1957 together with plan - filed in Hampden County Registry of Deeds on May 31, 1957.

Re: Right of way for public access to Nine Mile Pond in the Town of Wilbraham.

Certified Mail
No. 847605

.22¢
.03¢ postage stamp.
.25¢

May 31,1957

Mr. Barton P. Sullivan,
c/o Auto Inn,
Boston Road,
North Wilbraham, Mass.

Dear Sir:

In the matter of the establishment of a right-of-way for public access to Nine Mile Pond in the Town of Wilbraham, Massachusetts, this will give you notice that for such right-of-way, land supposed to be owned by you has been taken for that purpose and you have been awarded One Dollar ($1.00).

Said taking is indicated on plan filed in the Hampden County Registry of Deeds, and Clerk of Courts' Office, Springfield, Massachusetts, and Town Clerk of Wilbraham, and description sent to you herewith.

If you do not accept the award of damages, you may petition the Superior Court within one year from the time such right-of-way was entered upon or possession thereof was taken for the purpose of establishing a right-of-way, to determine the amount of such damages under Section 14, of Chapter 79 of the General Laws.

Very truly yours,

HAMPDEN COUNTY COMMISSIONERS

By _____
Chairman.

N.
Encl. (1)

April 7, 1959

James J. Sullivan, Supt.,
Department of Streets and Engineering,
Municipal Building,
Springfield, Massachusetts.

Dear Mr. Sullivan:

In 1955, by courtesy of your Department, signs were made and installed at the public access to Loon Pond, Lake Lorraine and Five Mile Pond in the City of Springfield.

It has been noted that these signs have disappeared from their locations and the County Commissioners of Hampden County would be most appreciative if your Department would have these signs replaced and re-installed.

It would also be appreciated if your Department would make up two similar signs, one for public access to Nine Mile Pond in the Town of Wilbraham and the other for Chapin Pond in the Town of Ludlow.

I shall be very happy to discuss these matters with you or any member of your Department.

Very truly yours,

COUNSEL FOR HAMPDEN
COUNTY COMMISSIONERS.

WJF/N

April 24, 1959

John J. Granfield, Esquire,
Attorney At Law,
1303 Main Street,
Springfield, Mass.

Dear Mr. Granfield:

Re: Sullivan
Nine Mile Pond,
Wilbraham, Mass.

A right of way for public access to Nine Mile Pond in Wilbraham was established on May 22, 1957 under Chapter 253 of the Acts of 1955. Entry was made on the land of Sullivan in an order of taking which was simultaneously made on May 22, 1957. Notice of Entry and Order of Taking were mailed to Barton P. Sullivan May 31, 1957. It would appear that any petition for Assessment of Damages is barred by being over one year since the taking. I am securing a plan of the Sullivan property on Nine Mile Pond and will forward the same to you during the forthcoming week.

Very truly yours,

COUNSEL FOR HAMPDEN
COUNTY COMMISSIONERS

WJF/N

April 27, 1959

John J. Granfield, Esquire,
Attorney At Law,
1303 Main Street,
Springfield, Mass.

Dear Mr. Granfield: Re: Sullivan
Nine Mile Pond,
Wilbraham, Mass.

Enclosed herewith is plan showing the taking of the Sullivan property at Nine Mile Pond, Wilbraham.

Very truly yours,

COUNSEL FOR HAMPDEN
COUNTY COMMISSIONERS

WJF/N
encl.

September 14,1959

Board of Selectmen,
Town of Wilbraham,
Massachusetts.

Dear Sirs:

It has come to the attention of the County Commissioners of Hampden County that the sign indicating the public access to Nine Mile Pond is located incorrectly.

This sign should be placed north of the cement block building as the access is just to the north of the northerly side of that building.

Will you be so kind as to cause the sign to be relocated in accordance with the above.

Very truly yours,

HAMPDEN COUNTY COMMISSIONERS

By_____
Counsel

WJF/N
copy to
John J. Granfield

TOWN OF WILBRAHAM

BOARD OF SELECTMEN - BOARD OF HEALTH - BOARD OF PUBLIC WELFARE

North Wilbraham, Massachusetts

September 18, 1959

Hampden County Commissioners
37 Elm Street
Springfield, Massachusetts

Dear Sirs:

This Board has received your letter re: the sign indicating public access to Nine Mile Pond.

Your instructions to place the sign north of the cement block building needs clarification as north would place the sign on Boston Road.

Kindly advise exactly where you desire this sign to be located.

2 East of building at right hand way.

Very truly yours,

BOARD OF SELECTMEN

Richard L. Danforth

RLD:c:h

Richard L. Danforth, Chairman

October 8,1959

Board of Selectmen,
Town of Wilbraham,
Massachusetts.

Dear Sirs: Att: Richard L. Danforth, Chairman.

I am enclosing herewith plan of proposed access to Nine Mile Pond, Wilbraham, Mass.

It would be appreciated if the present sign was placed on or near the 32" Elm Tree which is shown on this map and circled in red.

Very truly yours,

COUNSEL FOR HAMPDEN
COUNTY COMMISSIONERS

WJF/N

CD Wilbraham
April 14, 1966

Mr. Howard S. Dane
33 Linwood Drive
No. Wilbraham, Mass.

Dear Mr. Dane:

In accordance with your telephone request and our two telephone conversations of recent date, I have been to No. Wilbraham and made an examination in the field of the condition mentioned to you relative to the fact that a brook running thru your property no longer flows as in the past. You have requested that the undersigned as County Hydraulic Engineer, advise you as to whether or not there is any action the County can take in connection with restoring flow in the brook.

On Tuesday morning, April 12, I inspected the area in general and, in accordance with conditions noted in the field, I found nothing that would allow the County to take steps under the General Laws relative to ponding of water.

The County Commissioners have authority only in the case of dam construction and this authority has to do with the safety and condition of dams ponding major amounts of water which, should the dam fail, persons and property downstream thereof would be endangered.

In view of the fact that I could find nothing coming under the jurisdiction and conditions as set forth in Chapter 253 of the General Laws relative to dams and ponds, there is no action that can be taken by Hampden County.

Very truly yours,

George H. McDonnell
County Hydraulic Engineer

GHM/mbf

GEORGE H. McDONNELL
PHILIP W. SHERIDAN
EDWARD J. BAYON

TIGHE & BOND CONSULTING ENGINEERS

CIVIL, SANITARY AND ELECTRICAL ENGINEERING
INVESTIGATIONS, REPORTS, PLANS AND SPECIFICATIONS
SUPERVISION OF CONSTRUCTION AND OPERATION

BOWERS AND PEQUOT STREETS
HOLYOKE, MASSACHUSETTS
TEL. JEFFERSON 3-3991

CD Wilbraham
April 14, 1966

The Honorable, the Board of County Commissioners
52 State Street
Springfield, Massachusetts

Gentlemen:

The undersigned received a complaint from a Mr. Howard Dane of Linwood Drive in Wilbraham relative to the fact that a stream passing thru his property no longer flows the same as has been experienced in the past. Mr. Dane thought that the County would have jurisdiction over the flow of streams and matters relating to diversion of water. At the request of Mr. Dane, I made a field inspection of conditions in the vicinity in question and around Nine Mile Pond. My inspection revealed no field condition which could be classified as coming under County jurisdiction in accordance with the provisions of Chapter 253 of the General Laws.

I have written to Mr. Dane and so informed him and enclose a copy of my communication for your files.

Very truly yours,

George H. McDonnell

George H. McDonnell
County Hydraulic Engineer

GHM/mbf

Enc.

Rice Fruit Farm Dam

1964 Wilbraham

Dam located in orchard easterly of Main Street. See also: County Roads Plan #15 (1958)"J Rice Dam - Farm Pond Plan".

City/Town	Wilbraham
Dam	Rice Fruit Farm Dam
Name	Rice Fruit Farm
Streets	Main Street

December 16, 1964

Rice Fruit Farm
757 Main Street
Wilbraham, Massachusetts

Gentlemen:

In accordance with the provisions of Chapt. 253, Section 45, et seq. of the General Laws, Tercentenary Edition, relative to the inspection, condition and safety of the dams of Hampden County, you are hereby advised that the site of your proposed dam located in your Orchard easterly of Main Street has been inspected by our Engineer and your attention is called to the following conditions noted and recommendations made by him.

> "This proposed dam is apparently under construction as of the Fall of this year. An inspection of the site of the proposed dam on December 3 showed that the pond area has been bulldozed and material excavated has been pushed up on the right bank as well as in the general vicinity of the brook valley as well as to the left of the brook and adjacent to the access roadway. Very little water is stored in the basin and what water that is stored is held back by a small ridge of excavated material pushed into the bottom of the narrow small brook valley.
>
> In the general location of the brook valley the material that has been bulldozed onto the natural ground contains many boulders, miscellaneous brush, organic material and some muck. This material as existing should not be incorporated into the embankment of the dam. In order to get a good watertight embankment, selected soil should be placed on stripped ground in layers about 8" in thickness and each layer should be properly and thoroughly compacted."

As existing at the time of the last inspection on December 3, 1964, the quantity of water stored by the temporarily placed earth fill is so small that

should it be released at one time, it could do no damage downstream. If you do plan to proceed with the construction of the dam by placing embankment material and building a firm and permanent structure, then the construction should be carried on in accordance with the filed plans and specifications and the earth embankment built up in compacted layers on a good foundation.

To assist you in the construction of your dam, our Board would be pleased to offer you the services of the County Hydraulic Engineer to advise and guide your construction personnel in carrying out the work.

Any further information concerning this matter which you may desire will be furnished by this office upon request.

Very truly yours,

BOARD OF COUNTY COMMISSIONERS

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Sazama Dam fka Gaylord Dam

1947 Wilbraham

Dam located on small tributary of Scantic Brook.

City/Town	Wilbraham
Dam	Gaylord Dam
Dam	Sazama Dam
Name	Mount Vision Fruit Farm
Name	Sazama, R F
Water	Scantic Brook

December 5, 1947

Mr. R. F. Sazama
Mt. Vision Fruit Farm
Wilbraham, Massachusetts

Dear Sir:

In accordance with the provisions of Chapter 253, Section 45 et seq. of the General Laws, Tercentenary Edition, relative to the inspection, condition and safety of the dams of Hampden County, you are hereby advised that the dam belonging to you and located on a tributary of Scantic Brook in the Town of Wilbraham has been inspected by our Engineer and your attention is called to the following conditions noted and recommendations made by him:

> "In a recent inspection of the Gaylord dam in Hampden, now owned by R. F. Sazama, Wilbraham, Mass., located on a tributary of Scantic Brook, it was found that the concrete wall on the pond side of the earthen dam has disintegrated and during times of freshets the water over-tops the dam, especially at its east end. The concrete wall should be repaired, or at the location where the dam is over-topped, temporary repairs should be made by raising this section of the dam with gravel fill."

Any further information concerning this matter which you may desire will be furnished by this office upon request.

Yours very truly,

COUNTY COMMISSIONERS

By Charles W. Bray
Chairman

William Dwight

Thomas F. Sullivan

Sullivan Dam

- **Wilbraham**

Also see: Dam Report Section - Wilbraham. See also: County Roads Plan #4 (1946) "Sullivan Dam"; Plan #6 (1947)"Sullivan Dam-Revised Plan"; Plan #8 (1949) "Sullivan Dam-Second Revision (record book 26, page 79)".

City/Town	Wilbraham
Dam	Sullivan Dam

WILBRAHAM
D23010

SULLIVAN (DR) DAM

D23010

NO IMAGE ON FILE FOR THIS RECORD

(INFORMATION EXISTS ONLY ON A FILE CARD FROM THE OFFICE OF THE FORMER HAMPDEN COUNTY ENGINEER.)

Gengreau Dam

1942 Wilbraham

Dam located on the south branch of Mill River. See also: County Roads Plan #15 (1958) "Dam - Soule Road - Gengreau".

City/Town	Wilbraham
Dam	Gengreau Dam
Name	Gengreau, Victor
Name	Gengreau, Adele
Water	Mill River

September 2, 1942

Mr. Victor Gengreau
179 Heywood Avenue
West Springfield, Mass.

Dear Sir:

In accordance with the provisions of Chapter 253, Section 45 et seq. of the General Laws, Tercentenary Edition, relative to the inspection, condition and safety of the dams of Hampden County you are hereby notified that your dam on the South Branch of Mill River in Wilbraham has been inspected by our engineer and your attention is called to the following conditions noted and recommendations made by him:

> "There is some leakage showing through the earth and rock fill of this dam adjoining the northerly end of the spillway. The source of this leakage should be located and the leaks effectively stopped before damage is done to the structure."

Any further information concerning this matter which you may desire will be furnished by this office upon request.

Yours very truly,

COUNTY COMMISSIONERS

By_____ Chairman

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July 13, 1955

Mr. V. Gengreau
Soule Road
Wilbraham, Mass.

Dear Sir:

In accordance with the provisions of Chapter 253, Section 45 et seq. of the General Laws, Tercentenary Edition, relative to the inspection, condition and safety of the dams of Hampden County, you are hereby advised that your dam located on your property on the South branch of the Mill River northerly of Soule Road, has been recently inspected by our Engineer, and your attention is called to the following conditions noted and recommendations made by him:

"This dam should be cleared of all brush and scrub growth so that it can be properly inspected and maintained."

Will you kindly take steps to correct this situation by August 30th, 1955. Any further information concerning this matter which you may desire will be furnished by this office upon request. Our County Hydraulic Engineer will reinspect the dam following the completion of the repair work.

Very truly yours,

COUNTY COMMISSIONERS

By _____
Chairman

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[illegible] & BOND

COPY

Dec. 29, 1955

The Hon. the Board of County Commissioners
Hampden County Court House
Elm Street
Springfield, Massachusetts

Gentlemen:

I have examined a plan of a proposed dam to be constructed on property of Victor J. Gengreau and Adele Gengreau of 215 Soule Road, Wilbraham, Mass., filed on Nov. 10, 1955 together with a single sheet of specification containing four (4) paragraphs of a very preliminary descriptive matter.

The plan and specifications as filed are very preliminary in nature and do not contain sufficient detail to properly describe and show the work to be done.

The old dam located on the Gengreau property was washed thru on the right end during the August Flood. It is the intention of the Owners to construct a more stable and heavier dam section in the washed out area than existed prior to the flood. The site of the dam was inspected immediately following the flood and again following the filing of the herein referred to plan and specifications. At the last field inspection the proposed work was reviewed with Mr. Gengreau. The deficiencies and inadequencies of the filed plan and specifications were outlined to Mr. Gengreau. The undersigned requested that Mr. Gengreau have his Engineer contact me and I would explain to the Engineer the necessary detail required on a plan and in specifications. It is my understanding that Mr. Gengreau now knows what he must do and that construction of the proposed dam cannot begin until a proper plan and complete specifications are filed.

In view of the fact that the filed plans and specifications hereinabove referred to do not contain sufficient detail and do not provide for increased spillway capacity, it is recommended that approval be withheld pending receipt of the revised plan and specifications.

Respectfully submitted

George H. McDonnell
County Hydraulic Engineer

GHM*cmb

CD Wilbraham
Nov. 5, 1957

The Hon. the Board of County Commissioners
Hampden County Court House
Springfield, Massachusetts

Gentlemen:

I have examined a plan of the proposed reconstruction of the dam owned by Victor Gengreau together with specifications, on the proposed reconstruction work and report to you as follows:

The plan consists of one sheet filed November 1, 1957, and indicated as the fourth revised plan. The date on the plan is September 16, 1957, and the owner is indicated as Victor Gengreau of 215 Soule Road, Wilbraham, Mass. The specifications are indicated as the fourth revised specifications. The title of the specifications is "Repair of Earth Dam Owned by Victor Gengreau."

The dam is located just to the north of Soule Road on the South Branch of Mill River. The original dam was washed out around its right end in the flood of August, 1955. The dam itself was built partly of earth, cobblestones, and concrete masonry. There is, located directly downstream from the concrete spillway, a small power house. A wheel in this house was to eventually be used for private power generation purposes. During the flood of 1955, the capacity of the spillway was exceeded by the tremendous runoff and the natural ground to the right of the dam was eaten away, and the flow of the stream diverted around the dam.

The proposed plan for reconstruction provides for the filling of the washed thru breach with a well compacted earth embankment. This embankment will be keyed to the natural ground and selected soil will be used in the central portion of the embankment for the purpose of constructing an impervious core. Upstream and downstream of this impervious central section of the embankment, the earth will be of a sand and gravel nature with rock near the outer edges. This new embankment will extend for a distance of approximately 80 feet from the westerly abutment of the original concrete spillway to the westerly end of the washed thru breach. The height of the embankment above the crest of the spillway will be 5 feet.

The original spillway is still in existence and was not damaged by the flood flows. This spillway is 14 feet in length. The owner proposes to extend this spillway an additional 35 feet to the east. Consequently, the ultimate length of spillway upon completion of construction will thus be increased from 14 feet to 49 feet. The vertical height above the crest of the spillway to the top of the abutment will be 5 ft.

The new spillway is to be constructed of a solid wall of rock and concrete. This wall will be faced upstream and downstream with a vertical concrete surface.

Water passing over the new spillway will fall upon a concrete and rock apron. This apron is to be constructed by pouring a concrete pad, placing rocks on the pad with large voids between the individual rocks and then pouring the entire rock area solid with concrete to a height of 4" above the rock grade.

Assuming then, that the work proposed will be faithfully done and in accordance with the plan and specifications filed, I recommend that the plan and specifications be approved.

Respectfully submitted,

George H. McDonnell
County Hydraulic Engineer

GHM/mb

Nov. 12, 1958

Mr. Victor Gengreau
215 Soule Road
Wilbraham, Mass.

Dear Sir:

In accordance with the provisions of Chapter 253, Section 45, et. seq. of the General Laws, Tercentenary Edition, relative to the inspection, condition, and safety of the dams of Hampden County, you are hereby advised that your dam located at your home on Soule Road in Wilbraham has been recently inspected by our Engineer and your attention is called to the following conditions noted and recommendations made by him.

> "The earth embankment of this dam is in good condition. Work has been started on the new spillway construction at the easterly end of the dam. Forms are being set for the concrete abutment wall. A small cofferdam is in place just upstream of the construction area. The pond is empty and the drain gate is open. The cofferdam is much too small in size to withstand a full pond should runoff exceed the gate and drawoff pipe capacity. The cofferdam should be widened and strengthened and the construction of the new spillway should be speeded up."

Any further information concerning this matter which you may desire will be furnished by this office upon request.

Very truly yours,

BOARD OF COUNTY COMMISSIONERS

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Dec. 9, 1959

Mr. Victor Gengreau
215 Soule Road
Wilbraham, Mass.

Dear Sir:

In accordance with the provisions of Chapter 253, Section 45, et seq. of the General Laws, Tercentenary Edition, relative to the inspection, condition, and safety of the dams of Hampden County, you are hereby advised that your dam located at your home on Soule Road in Wilbraham has been recently inspected by our Engineer and your attention is called to the following conditions noted and recommendations made by him.

> "The left abutment masonry wall for the new spillway has been completed. The downstream spillway wall of cemented field stones has also been completed. It would seem advisable to increase the thickness of this stone masonry wall to prevent its failure should full hydrostatic head be applied against the upstream face. The wall could be enlarged in cross-section by adding more stone work behind the present wall and tied into the present wall, or the present wall could be backed up with poured-in-place concrete forming a second wall behind the stone masonry. Though this wall will be entirely backfilled with compacted earth and capped with a concrete slab, water in storage from the pond may seep into the compacted earth spillway and exert pressure against the upstream face of the wall tending to move it downstream and at the same time tending to rotate the wall about its base. A few weep holes in the wall to relieve hydrostatic pressure might be a desirable addition. The work on this new and additional spillway should be completed as soon as possible."

Any further information concerning this matter which you may desire will be furnished by this office upon request.

Very truly yours,
BOARD OF COUNTY COMMISSIONERS

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Sept. 14, 1960

Mr. Victor Gengreau
215 Soule Road
Wilbraham, Mass.

Dear Sir:

In accordance with the provisions of Chapter 253, Section 45, et seq. of the General Laws, Tercentenary Edition, relative to the inspection, condition and safety of the dams of Hampden County, you are hereby advised that your dam located at your home on Soule Road in Wilbraham has been recently inspected by our Engineer and your attention is called to the following conditions noted and recommendations made by him.

"Construction of the new spillway has been nearly completed. The masonry walls of the new spillway, both upstream and downstream are quite thin and it is doubtful if they will be stable under serious high water conditions. The unsupported height of the downstream wall is about 5 ft. while the thickness of this wall is probably no greater than 18 in at the base. The hydraulic pressure that could be exerted against this wall will probably cause it to fail. The wall should be increased in cross-section by adding more stone work to this wall tied into the present construction. The same strengthening of the upstream wall should be done.

The stone apron downstream and at the toe of the spillway is composed of small light-weight stones. These will be displaced and washed away by overflowing flood waters. A heavy apron should be constructed or stone of proper weight placed at this toe area.

To the left of the new spillway an earth embankment should be constructed to prevent the flow of ponded water around the new spillway. Work recommended herein should be accomplished by the owner before the new spillway is activated."

Any further information concerning this matter which you may desire will be furnished by this office upon request.

Very truly yours,

BOARD OF COUNTY COMMISSIONERS

William F. Stapleton

Thomas F. Sullivan

Francis M. O'Keefe Acting Commissioner

Nov. 1, 1961

Mr. Victor Gengreau
215 Soule Road
Wilbraham, Mass.

Dear Sir:

In accordance with the provisions of Chapter 253, Section 45, et seq. of the General Laws, Tercentenary Edition, relative to the inspection, condition and safety of the dams of Hampden County, you are hereby advised that your dam located at your home on Soule Road in Wilbraham has been recently inspected by our Engineer and your attention is called to the following conditions noted and recommendations made by him.

" The new spillway under construction at this dam has apparently been plastered with a thin cement cover that, from all outward appearances, adds little, if any, strength to the structure. In fact, it is possible that the downstream face of the spillway, as now existing with the cement plaster, will cause more trouble than doing good for the dam. By cement plastering the downstream face of the stone wall, said wall having been reported as too thin in the inspection of last year, water pressure will now build up behind the wall and could be released suddenly by failure of the cement plaster.

It was also noted that brick piers have been built on the spillway floor and these piers are apparently for the purpose of holding stoplogs. The copy of the plan in my file showing the approved construction, does not allow for any such construction nor for the installation of stoplogs. The Owner should be directed to follow the approved plan in detail and to only make any deviation from the plan after first obtaining approval of the change from your Board.

The necessary earth embankment has not been built to the left of the new abutment wall. This embankment should be built and all noted deficiencies corrected before the Owner is allowed to pond any water. "

It is necessary that in doing the work at your dam you follow the plans and specifications as approved by this Board and filed with the County. If, for some reason you feel that a change in the planned construction is desirable or necessary, you should discuss this matter with the County Hydraulic Engineer, submit a revised drawing and revised specifications for our consideration. No water should be ponded behind the dam until such time as it has been completed in accordance with the filed plans and specifications and the structure has been inspected by the County Hydraulic Engineer and a report filed with our Board. When you are ready for such an inspection, please either notify our Board or the County Hydraulic Engineer.

Any further information concerning this matter which you may desire will be furnished by this office upon request.

Very truly yours

BOARD OF COUNTY COMMISSIONERS

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July 11, 1962

Mr. Victor Gengreau
215 Soule Road
Wilbraham, Mass.

Dear Sir:

In accordance with the provisions of Chapter 253, Section 45, et. seq. of the General Laws, Tercentenary Edition, relative to the inspection, condition and safety of the dams of Hampden County, you are hereby advised that your dam located at your home on Soule Road in Wilbraham has been recently inspected by our Engineer, and your attention is called to the following conditions noted and recommendations made by him.

"This dam was found to be in the same general condition as noted during the annual inspection of 1961. The new spillway construction has been covered over with a thin coat of cement plaster and, from all outward appearances, little if any strength has been added to the structure by this plaster coating. In fact, it is possible that the downstream face of the spillway, as now existing and as covered with the cement plaster, will move or fail when a hydraulic head results. When inspected prior to the placing of the plaster covering, the downstream stone wall at the spillway was reported as too thin for its height and the load it will be carrying.

The brick piers built in the spillway and noted last year still exist. The approved plan does not provide for any such construction and the piers should be removed from the spillway before any water is allowed to be ponded.

The necessary earth embankment has not been built to the left of the new abutment wall. This embankment should be built and all noted deficiencies reported herein and previously called to the attention of the owner should be corrected before storing water."

Your attention is called to the fact that no water should be ponded at your dam until such time as all of the recommendations of the County Hydraulic Engineer are complied with. When you have complied with all of the recommendations and requirements of the approved plans and specifications, please notify this Board or the County Hydraulic Engineer and an inspection of the construction will then be made.

Any further information concerning this matter which you may desire, will be furnished by this office upon request.

Very truly yours,

BOARD OF COUNTY COMMISSIONERS

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December 16, 1964

Mr. Victor Gengreau
215 Soule Road
Wilbraham, Massachusetts

Dear Sir:

In accordance with the provisions of Chapt. 253, Section 45, et seq. of the General Laws, Tercentenary Edition, relative to the inspection, condition and safety of the dams of Hampden County, you are hereby advised that your dam that has been under construction but inactive for some time and located on your property adjacent to Soule Road in Wilbraham, has been inspected by our Engineer and your attention is called to the following conditions noted and recommendations made by him.

"Reconstruction and enlargement of this dam began several years ago based upon filed plans and specifications. The owner stopped work on the dam and recommendations were made previously regarding poor workmanship and corrective measures that should have been taken, if the dam was to be completed and activated. However, the owner never did complete the structure and for the past two years or so it has remained inactive and the work has not been completed.

When last inspected, the partially completed structure was found to be seriously deteriorating and no water was stored. The new spillway section at the left part of the dam that was being constructed in an unsatisfactory manner and so reported, has failed in that the brook now passes under this gravel filled stone and concrete masonry section. Much of the earth fill under the masonry has been washed away and the masonry walls span the depression made by the stream as it flows under the structure. Eventually this masonry construction will crack and settle.

There is a large void under this incompleted spillway section and with the passing of time, the void will get larger. Should the structure fail

at a time when stream flow is high, the settled spillway section could plug the free-flow area under the spillway and cause ponding of water. Also, the structure might be considered an attractive nuisance in that as the void gets larger, the opening under the spillway section could become large enough for a child to crawl under one of the walls of the structure and into the large void under the spillway floor. Failure of the spillway at that time could cause serious injury or death to an inquisitive child.

It is recommended that the owner of the dam be advised that since work has not progressed on this dam for a number of years and since the structure as now existing is in a dangerous condition, the Decree approving the additions and alterations to the dam be withdrawn and the owner ordered to breach the section of the new spillway construction.

If the Owner should decide at some later date to reconstruct the dam, then it would be necessary to again file new plans and specifications for consideration and approval."

Since no active work has been done on this dam for a few years, and since the work that has been done is not satisfactory in its entirety as reported to you previously and also, since the existing work is deteriorating and becoming dangerous, our Board will initiate action to cancel the Decree that provided for the reconstruction of the dam unless, within 30 days, you submit to this Board, in writing, a schedule and procedure for repairing or replacing the unsatisfactory and deteriorating new spillway section. If you do not plan to complete this dam very shortly, then the new spillway section should be removed and the stream valley opened for free passage of stream flow.

Very truly yours,

BOARD OF COUNTY COMMISSIONERS

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215 Soule Road
Wilbraham, Mass.

January 8, 1965

Hampden County Commissioners
37 Elm Street
Springfield, Mass.

Dear Sir:

I am answering your letter of December 21, 1964.

In regards to the spillway, the construction is much stronger than the prints call for.

Mr. McDonald, County Engineer from Holyoke suggested one wall, but I built, with his approval, two walls. One wall is 1 x 3' thick and the other is 1 x 2' thick. It is faced with 6" of cement.

Alton Gleason, Contractor, is dredging the pond. He dug a trench under the spillway temporarily to lower water level to simplify dredging. This spillway acts as a culvert. Alton Gleason is supervised by State Engineers.

There is no danger of the spillway cracking or falling. The anchor buttement is 7' wide at bottom, 2' wide at top and 22' long. I've used 50 ton of rock and cement in buttement. It is faced with $\frac{1}{2}$" of cement.

The brook will be 4 to 5 feet deeper. The construction of the spillway will be delayed until pond dredging is completed. It will take several years.

I have "No Trespassing" signs around dam and pond. I keep public away from dam. I hope this answers all questions.

I remain,

Yours very truly,

Victor J. Gengreau

February 17, 1965

Mr. Victor Gengreau
215 Soule Road
Wilbraham, Massachusetts

Dear Sir:

Your attention is called to the communication sent to you dated December 16, 1964, relative to the dam on your property on Soule Road in Wilbraham. In the stated communication, this Board passed on to you the report of the County Hydraulic Engineer in connection with conditions as existing at your dam. This Board concluded the communication with the following directive.

> "Since no active work has been done on this dam for a few years, and since the work that has been done is not satisfactory in its entirety as reported to you previously and also, since the existing work is deteriorating and becoming dangerous, our Board will initiate action to cancel the Decree that provided for the reconstruction of the dam unless, within 30 days, you submit to this Board, in writing, a schedule and procedure for repairing or replacing the unsatisfactory and deteriorating new spillway section. If you do not plan to complete the dam very shortly, then the new spillway section should be removed and the stream valley opened for free passage of stream flow."

Based upon our mailing this communication to you and your receipt of this communication shortly after December 16, 1965, the 30 day period expired during the third week of January. Since our Board did not receive any written schedule and a procedure for repairing or replacing the unsatisfactory and deteriorating new spillway section, we concluded that you had chosen to remove the new spillway section from the stream valley and open the area for free passage of stream flow. The County Hydraulic Engineer has recently inspected the site of your dam and reports to us that no action has been taken by you to remove the unsatisfactory masonry spillway section.

You are therefore hereby officially notified that the County is taking action under Chapter 253 of the General Laws, specifically Sections 46, 47 and 48. You are ordered to remove from the bed and cross section of the stream the entire stone and concrete masonry spillway that is situated to the left of the original concrete masonry spillway and to shape and grade the brook in such a manner as to allow for the safe and unrestricted passage of flood flows. This work shall be accomplished by you on or before March 30, 1965. Failure to comply with this directive by said March 30, 1965, will result in the County taking the necessary action under Section 45 of Chapter 253 of the General Laws and assessing you all costs in connection with said work including any interest charges as per Section 48 of Chapter 253 of the General Laws.

Very truly yours,

BOARD OF COUNTY COMMISSIONERS

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GEORGE H. McDONNELL
PHILIP W. SHERIDAN
EDWARD J. BAYON

TIGHE & BOND CONSULTING ENGINEERS

CIVIL, SANITARY AND ELECTRICAL ENGINEERING
INVESTIGATIONS, REPORTS, PLANS AND SPECIFICATIONS
SUPERVISION OF CONSTRUCTION AND OPERATION

BOWERS AND PEQUOT STREETS
HOLYOKE, MASSACHUSETTS
TEL. JEFFERSON 3-3991

February 17, 1965

The Hon. the Board of County Commissioners
52 State Street
Springfield, Massachusetts

Gentlemen:

Reference is made to the drowning of a boy in Wilbraham on Friday evening, February 12, 1965, in a gravel pit located upstream of the dam of Victor Gengreau. On Tuesday, February 16, I received a number of telephone calls from various persons, including the local State Representative requesting information regarding the pond of water in the gravel pit and whether or not the County had any jurisdiction in connection with the formation and operation of the gravel pit.

The gravel pit is located on a branch of Mill River at a point just upstream of Soule Road in Wilbraham. There are two dams on the stream adjacent to Soule Road. The downstream dam of the two is owned by the Young Men's Hebrew Association while the upstream dam, located between Soule Road and the gravel pit, is owned by Victor Gengreau.

On Friday afternoon, February 12, 1965, there apparently were two children playing on the ice that had formed on the water in the gravel pit. Both children fell thru the ice, the boy being drowned and his younger sister was rescued. She has been on the danger list in the Ludlow Hospital since that time but it is my understanding that she is now recovering satisfactorily, though rather slowly.

Since the case at hand involves water that is upstream from the Gengreau Dam, it does not seem to the undersigned that your Honorable Board has any jurisdiction in this case. Also, the dam itself does not impound any water. For some time, the dam has been partly breached as the result of a washout in the bed of the brook that extends under a stone and concrete masonry spillway. The flow of the brook normally passes thru this washout

and water in storage upstream of the dam is held in what appears to be excavations made in carrying out the gravel borrow operations.

I do not know for certain the length of time over which the gravel borrow pit has been operating but I am certain that gravel has been excavated from this site for a number of years.

In view of the fact that the drowning took place as the result of children playing on the ice formed on a body of water within the excavation of the gravel pit, and since no breach of the dam with the resulting release of water took place, it would seem as if the County has no jurisdiction nor can take any action in connection with this drowning. Also, an examination of the site by the undersigned during the routine inspection of dams in Wilbraham early this past Winter and another inspection of the site conducted February 16, 1965, showed the water level in storage upstream of the dam is no higher than the breach in the bed of the brook under the masonry spillway and thus water is not backed up to a height above the bed of the brook.

Very truly yours,

George H. McDonnell
County Hydraulic Engineer

GHM/mb

GEORGE H. McDONNELL
PHILIP W. SHERIDAN
EDWARD J. BAYON

TIGHE & BOND CONSULTING ENGINEERS

CIVIL, SANITARY AND ELECTRICAL ENGINEERING
INVESTIGATIONS, REPORTS, PLANS AND SPECIFICATIONS
SUPERVISION OF CONSTRUCTION AND OPERATION

BOWERS AND PEQUOT STREETS
HOLYOKE, MASSACHUSETTS
TEL. JEFFERSON 3-3991

February 17, 1965

The Hon. the Board of County Commissioners
52 State Street
Springfield, Massachusetts

Gentlemen:

Reference is made to my annual report in connection with the condition of dams in Wilbraham and to your letter dated December 16, 1964, addressed to Mr. Victor Gengreau of 215 Soule Road in Wilbraham, Mass. In my report and in your letter to Mr. Gengreau, it was pointed out that reconstruction and enlargement of the dam which began several years ago based on filed and approved plans and specifications, had not been completed and that work had been stopped on the project. As reported in December, the partially completed structure was found to be seriously deteriorating and no water was in storage. The new spillway section at the left part of the dam that was being constructed in an unsatisfactory manner and so previously reported, had failed in that the brook breached the structure by breaking thru under the foundation of the masonry work. Much of the earth fill under the masonry was reported as having been washed away and as a result of this condition, the flow of the brook passed thru the site of the dam without the storage of water taking place.

It was also pointed out in our report and the information was passed on to Mr. Gengreau in your communication that the large void under the incompleted spillway section of the dam would become larger with the passing of time and that should the structure fail in time of high stream flow, the settled spillway section could plug the breach where free flow was now taking place and cause the ponding of water. It was recommended that the owner of the dam be advised that since work has not progressed on this dam for a number of years and since the structure as now existing is in a dangerous condition, the Decree approving the additions and alterations to the dam be withdrawn and the owner ordered to breach the section of the new spillway construction.

In the last paragraph of your communication of December 16, 1964, you notified Mr. Gengreau as follows:

> "Since no active work has been done on this dam for a few years, and since the work that has been done is not satisfactory in its entirety as reported to you previously and also, since the work is deteriorating and becoming dangerous, our Board will initiate action to cancel the Decree that provided for the reconstruction of the dam unless, within 30 days, you submit to this Board, in writing, a schedule and procedure for repairing or replacing the unsatisfactory and deteriorating new spillway section. If you do not plan to complete the dam very shortly, then the new spillway section should be removed and the stream valley opened for free passage of stream flow."

In view of the fact that at the time of my inspection on February 16, 1965, Mr. Gengreau has not taken any action in connection with the breaching of the dam and since the stipulated period of 30 days has passed and he apparently has not filed with your Board a written schedule and procedure for repairing or replacing the unsatisfactory and deteriorating new spillway section, it is recommended that the Owner be notified that within 30 days he is to breach the dam by removing the masonry spillway section under which the brook now flows and thus provide a free and an unobstructed channel for the passage of stream flow. It is also recommended that Mr. Gengreau be notified that the Decree approving the plans and specifications is withdrawn.

The undersigned would be pleased to meet with your Board to discuss this case and determine the course of action that should be taken to force Mr. Gengreau to breach the dam.

Very truly yours,

George H. McDonnell
County Hydraulic Engineer

GHM/mb

GEORGE H. McDONNELL
PHILIP W. SHERIDAN
EDWARD J. BAYON

TIGHE & BOND CONSULTING ENGINEERS

CIVIL, SANITARY AND ELECTRICAL ENGINEERING
INVESTIGATIONS, REPORTS, PLANS AND SPECIFICATIONS
SUPERVISION OF CONSTRUCTION AND OPERATION

BOWERS AND PEQUOT STREETS
HOLYOKE, MASSACHUSETTS
TEL. JEFFERSON 3-3991

CD Wilbraham
March 22, 1965

The Hon. the Board of County Commissioners
52 State Street
Springfield, Massachusetts

Re: Gengreau Dam,
Wilbraham, Massachusetts

Gentlemen:

Reference is made to my communication to your Honorable Board dated February 17, 1965, and to your communication of the same date to Mr. Victor Gengreau of 215 Soule Road, Wilbraham, Mass., relative to the breaching of his dam.

In your communication to Mr. Gengreau, you directed him as follows:

> "You are ordered to remove from the bed and cross section of the stream the entire stone and concrete masonry spillway that is situated to the left of the original concrete masonry spillway and to shape and grade the brook in such a manner as to allow for the safe and unrestricted passage of flood flows. This work shall be accomplished by you on or before March 30, 1965."

The undersigned inspected the site of this dam on Friday, March 19, 1965, and found that the unsatisfactory stone and concrete masonry spillway section has been removed from the bed and cross section of the stream in such a manner that water will not now be ponded behind the dam.

The Owner did not remove the entire section as directed but he did remove enough of the section so that there is ample waterway to safely pass flood flows.

In cutting thru the unsatisfactory spillway section, a portion of the masonry was left in place on each end of the spillway but this masonry has been broken up and, as flood flows occur, the opening will become wider with the passing of time.

Two hundred (200) ft. downstream from the dam there are twin 42" corrugated iron culverts that convey the stream under and across Soule Road. On first observing conditions at the dam and noting the large slabs of broken masonry, I was concerned over the possibility of flood flows causing the movement of the slabs of masonry downstream to a point where they might plug the culvert tubes. However, by checking the size of the brook course in the 200 ft. lengths that separate the culvert tubes from the site of the breached spillway, it became apparent that the velocity of flow in this portion of the stream valley will be controlled by the capacity of the culvert tubes and flow velocity will not be high enough to result in the movement of any of the broken concrete slabs with the flowing water. There might be movement of the slabs right in the immediate vicinity of the dam, however, the stream bed widens immediately downstream and as water flows thru this area, velocity of flow will decrease and the water will not carry the larger slabs.

In the opinion of the undersigned, Mr. Gengreau has complied with your directive of February 17, 1965, and the breach thru the improper section of the spillway will allow for the passage of flood flows without ponding water.

Respectfully submitted,

George H. McDonnell

George H. McDonnell
County Hydraulic Engineer

GHM/mg

TOWN OF WILBRAHAM

BOARD OF SELECTMEN · BOARD OF HEALTH · BOARD OF PUBLIC WELFARE

North Wilbraham, Massachusetts

October 10, 1955

Hampden County Commissioners
37 Elm Street,
Springfield, Massachusetts.

Attention: Thomas F. Sullivan

Gentlemen:

Some of our local citizens have called to our attention the apparent damage to two dams at Wilbraham Academy. One on the so-called Upper Pond and the other on the Lower Pond.

We have discussed this matter with the Department of Public Works at Greenfield, and they have advised us that our County Commissioners would be in a position to have someone check the strength of these particular dams.

As a matter of public record will you advise us just what can be done to repair the damage to these dams.

Very truly yours,

BOARD OF SELECTMEN

Carl Nelson

Carl Nelson
Chairman

CN:c

copy of this letter mailed to Mr. George H. McDonnell, County Hydraulic Engineer, on October 14, 1955.

Wilbraham Academy Dams

1955 Wilbraham

Two small dams located on the upper and lower pond at Wilbraham Academy.

City/Town	Wilbraham
Dam	Wilbraham Academy Dams
Name	Lake Thompson Civic Association
Name	Wilbraham Academy

WATER SUPPLY
SEWERAGE
SEWAGE DISPOSAL
STRUCTURAL ENGINEERING

TIGHE & BOND, INC.
CONSULTING ENGINEERS
189 HIGH STREET
HOLYOKE, MASSACHUSETTS
GEORGE H. McDONNELL
PHILIP W. SHERIDAN

DAMS & POWER INSTALLATIONS
HIGHWAYS & BRIDGES
HOUSING DEVELOPMENT
WASTE DISPOSAL

C-D

October 24, 1955

The Hon. the Board of County Commissioners
Hampden County Court House
Springfield, Mass.

Gentlemen:

Enclosed please find a copy of a letter sent this date to the Board of Selectmen of the Town of Wilbraham, in regard to their letter to your Board dated October 10, 1955, pertaining to the two small dams on Wilbraham Academy property.

After I complete my inspection of these dams I will submit my report to you on the matter.

Also enclosed please find a copy of a letter sent this date to the Lake Thompson Civic Association, Inc., of Palmer, Mass., in reference to their letter of October 18, 1955. The enclosed is self-explanatory.

Very truly yours,

George H. McDonnell
County Hydraulic Engineer

GHM/emm
encs.

C-D

October 24, 1955

Board of Selectmen
Town Hall
North Wilbraham, Mass.

COPY

Attention Mr. Carl Nelson, Chairman

Gentlemen:

Your letter of October 10th, 1955, to the County Commissioners of Hampden County, relative to the two dams at Wilbraham Academy, has been turned over to me for investigation and action.

During this week beginning Monday, October 24, 1955, I am planning to visit these two dams and inspect them. Following my field investigation, you will be advised by either the County Commissioners or the undersigned as to the condition of these dams and any needed repairs, in accordance with the specific provisions of Chapter 253 of the General Laws of the Commonwealth of Massachusetts.

Very truly yours,

GHM/emm

George H. McDonnell
County Hydraulic Engineer

COPY

WATER SUPPLY
SEWERAGE
SEWAGE DISPOSAL
STRUCTURAL ENGINEERING

TIGHE & BOND, INC.
CONSULTING ENGINEERS
189 HIGH STREET
HOLYOKE, MASSACHUSETTS
GEORGE H. McDONNELL
PHILIP W. SHERIDAN

DAMS & POWER INSTALLATIONS
HIGHWAYS & BRIDGES
HOUSING DEVELOPMENT
WASTE DISPOSAL

C-D Wilbraham

December 9, 1955

The Hon. the Board of County Commissioners
Hampden County Court House
Springfield, Mass.

Gentlemen:

In connection with a letter from the Town of Wilbraham in reference to damage to two small dams at Wilbraham Academy, the undersigned has inspected these dams and is of the opinion that neither of these structures come under County control insofar as Chapter 253 of the General Laws is concerned.

Neither of the dams are over 10 feet in height, the drainage area is less than one square mile, and the amount of water stored is less than a million gallons in each reservoir.

Certain maintenance and repair work of a minor nature is required if the structures are to remain sound and in good condition. However, since these dams do not come within Chapter 253 of the General Laws, it would seem to the undersigned that the matter of maintenance of the structures is at the option of the owner.

Respectfully submitted,

GHM/emm

George H. McDonnell
County Hydraulic Engineer

Y M H A Day Camp Dam

1948 Wilbraham

Located in the south branch of the Mill River in North Wilbraham off Soule Road. See also: County Highways (Wilbraham) - "Dam and Swimming Pool for YMCA (YM & YWHA)" - ch10124. See also: County Roads Plan #5 (1946) "Dam Relocation YMHA Camp (record book 26 page 67)".

City/Town	North Wilbraham
City/Town	Wilbraham
Dam	Y M H A Day Camp Dam
Name	Springfield Jewish Community Center
Name	Jewish Comminuty Center
Name	Springfield Jewish Comminuty Center
Name	Y M H A Day Camp
Streets	Soule Road
Water	Mill River

COPY

The original was mailed December 14,1948, the day it was brought in to the Comms' office by Mr. Dwight who forgot to bring it in on Wednesday, Dec.8,1948. Comms here Dec.14th to go on a hearing.

December 8, 1948

Y.M.H.A. Day Camp, Inc.
1214 Main Street
Springfield, Massachusetts

Attention: L. S. Bardach, Attorney

Gentlemen:

In accordance with the provisions of Chapter 253, Section 45 et seq. of the General Laws, Tercentenary Edition, relative to the inspection, condition and safety of the dams of Hampden County, you are hereby advised that the dam belonging to the Y.M.H.A. Day Camp, Inc. and located in the south branch of the Mill River in North Wilbraham has been inspected by our Engineer and your attention is called to the following conditions noted and recommendations made by him:

> "In a recent inspection made of the Y.M.H.A. Day Camp, Inc. Dam on the south branch of the Mill River in North Wilbraham, it was found that 16" of flashboards are in place. Under the plans filed for approval of the construction of this dam, these boards were to be removed at the end of the camp season in the fall and were not to be replaced until the beginning of the camp season in the summer. The 16" of flashboards should be removed immediately."

Any further information concerning this matter which you may desire will be furnished by this office upon request.

Yours very truly,
COUNTY COMMISSIONERS

By Charles W. Bray
Chairman

William Dwight

Thomas F. Sullivan

LLOYD S. BARDACH
ATTORNEY AT LAW
1214 MAIN STREET
SPRINGFIELD 3, MASS.
TELEPHONE 4-7076

August 12, 1949

County Commissioners
Court House
Springfield, Mass.

Gentlemen:

I am writing to you as the representative of the Y.M. H.A. Day Camp, Inc. which operates a day camp known as the Y Country Day Camp on Soule Road in North Wilbraham.

Several years ago we installed a new dam on our premises enlarging an artificial lake which we had previously had. A plan for the dam is filed in due form.

This year, however, due to the drought and lack of water we have been unable to fill the pool and maintain a flow of water. In order that this may not happen again we are attempting to find ways and means by which a sufficient flow of water could be obtained at all times. We would greatly appreciate it if you would have your hydraulic engineer visit the site of our camp within the next two weeks and talk with Mr. Max Tasgal, our executive director, and present to us any ideas which he might have along these lines.

Thank you for your kind attention in this matter.

Very truly yours,

lsb/lem

Lloyd S. Bardach

Before I wrote this letter I talked the matter over with County Commissioner, Thomas Sullivan who suggested that I write this letter and felt that you might turn this matter over to Mr. Phillip E. Bond your engineer, for action.

August 17, 1949

Lloyd S. Bardach, Attorney At Law,
1214 Main Street,
Springfield 3, Mass.

Dear Sir:

This is to acknowledge receipt of your letter dated August 12, 1949.

We will send a copy of your letter to our County Hydrualic Engineer and request him to take up this problem with you.

Very truly yours,

COUNTY COMMISSIONERS

By_____
Acting Chairman

WFS/N

August 17, 1949

Philip E. Bond, Hydraulic Engineer,
189 High Street,
Holyoke, Mass.

Dear Mr. Bond:

Enclosed herewith is copy of a letter which we received from Attorney Lloyd S. Bardach and which is self-explanatory. We also enclose copy of our reply to Mr. Bardach.

Very truly yours,

COUNTY COMMISSIONERS

By_____
Acting Chairman

S/N
Encl.

JAMES L. TIGHE
PHILIP E. BOND

TELEPHONE
HOLYOKE 5525

TIGHE & BOND
CONSULTING ENGINEERS
189 HIGH STREET
HOLYOKE, MASSACHUSETTS

WATER SUPPLY
SEWERAGE
SEWAGE DISPOSAL
WATER POWER
DAMS

August 29, 1949

The Hon. The Board of County Comm'rs
Hampden County Court House
Springfield, Mass.

Gentlemen:

I have taken up the problem of additional water for the swimming pond at the YMHA Day Camp in Wilbraham with Attorney LLoyd S. Bardach.

Enclosed is a copy of a letter sent to Attorney Bardach after visiting the site of the Day Camp with him.

Very truly yours,

George A. McTomell

Enclosure - Letter

August 29, 1949

Floyd S. Bardach, Attorney at Law
1214 Main Street
Springfield 3, Mass.

Dear Sir:

The following is in confirmation and adds certain information to our conversation on August 25, 1949 at the YMHA Day Camp in Wilbraham.

In order to maintain the level of your swimming pond at spillway height and to increase the flow of water to the pond, it is suggested that you accomplish the following:

1. Plug the leak around the concrete pipe at the base of the spillway section.

2a. Make an agreement with Mr. Gengreau, owner of the dam and pond immediately upstream from your property, to release quantities of water from behind his dam on days when the Camp is open and the normal flow of the brook insufficient for safe, sanitary swimming conditions--or:

2b. Drive a well, perhaps in the area downstream and between the brook and the road, from which water may be pumped to the swimming pond to supplement the flow of the brook in extreme dry weather.

Of these latter two suggestions, 2a perhaps would be the least expensive, but with 2b, it is possible that the quality of water would be better and the quantity more certain.

A driven 2½-inch well, to test the possibility of an underground supply, could be put down for a cost of perhaps $2.50 per foot, plus the cost of materials and the expense of moving in the driving equipment.

If you wish to investigate the possibility of a well, you might contact a Mr. Charles E. Pratt of Southwick, Mass. He is experienced in this type of work.

If I can be of further assistance to you, do not hesitate to call.

Very truly yours,

Robert McDonnell

July 13, 1955

Y. M. H. A. Camp
Soule Road
Wilbraham, Mass.

Gentlemen:

In accordance with the provisions of Chapter 253, Section 45 et seq. of the General Laws, Tercentenary Edition, relative to the inspection, condition and safety of the dams of Hampden County, you are hereby advised that your dam located on the South branch of Mill River southerly of Soule Road, has been recently inspected by our Engineer, and your attention is called to the following conditions noted and recommendations made by him:

> "The top surface and both sides of the earth filled dam on the southerly as well as the northerly side of the spillway should be cleared of all brush and scrub growth so that the dam can be properly inspected and maintained. The screen in the spillway channel has become broken and dilapidated and it should be removed."

Will you kindly take steps to correct this situation by August 30th, 1955. Any further information concerning this matter which you may desire will be furnished by this office upon request. Our County Hydraulic Engineer will reinspect the dam following the completion of the repair work.

Very truly yours,

COUNTY COMMISSIONERS

By_____
Chairman

_____

_____

September 21, 1955

Y. M. H. A. Day Camp
Soule Road
Wilbraham, Mass.

Gentlemen:

In accordance with the provisions of Chapter 253 of the General Laws of the Commonwealth of Massachusetts, your dam at your Day Camp in Wilbraham has been recently inspected by our Engineer and your attention is called to the following report on the condition of your dam.

> "The earth embankment of the dam at the right side of the spillway channel has been washed out for a distance of about 5 to 7 feet wide and for a depth of approximately 5 feet. This condition forms a weak spot in the dam and the earth washed out should be replaced immediately. In replacing this earth, it should be packed with hand tampers and placed in 6-inch layers."

If you have any questions regarding the necessary work at your dam, kindly call or write this office. Our County Engineer will reinspect the dam within the next thirty days to see that this washout has been repaired.

Very truly yours,

BOARD OF COUNTY COMMISSIONERS

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Rec'd 12-9-55

7

Dec.14, 1955

Jewish Community Center of Springfield, Inc.,
1160 Dickinson Street
Springfield, Massachusetts

Gentlemen:

In accordance with the Provisions of Chapter 253 of the General Laws of the Commonwealth of Massachusetts, the dam at the Y.M.H.A. Day Camp on Soule Road, in Wilbraham was recently inspected by our Engineer and he reports that the repairs to the dam, as recommended in our letter to you of Sept. 21st have not been made.

It is essential that these repairs be made to guarantee the safety of this dam. It is hereby directed that the repairs to the dam, as described in our letter of Sept. 21, 1955, be completed on or before December 30, 1955. Will you kindly notify this office of the date on which the repairs will be completed? Our Engineer will be instructed to inspect the dam again following this completion date.

If you have any question regarding the work necessary at the dam, kindly call or write this office.

Very truly yours

BOARD OF COUNTY COMMISSIONERS

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WATER SUPPLY
SEWERAGE
SEWAGE DISPOSAL
STRUCTURAL ENGINEERING

TIGHE & BOND
CONSULTING ENGINEERS
GEORGE H. McDONNELL, PROP.
189 HIGH STREET
HOLYOKE, MASSACHUSETTS

DAMS & POWER INSTALLATIONS
HIGHWAYS & BRIDGES
HOUSING DEVELOPMENT
WASTE DISPOSAL

C-D.

September 19, 1955

The Hon. the Board of County Commissioners
Hampden County Court House
Elm Street
Springfield, Mass.

Gentlemen:

An inspection of the Y.M.H.A. Day Camp Dam in Wilbraham shows that certain damage to the dam occurred on the earthen embankment just to the right of the spillway has been caused by the recent flood waters. It is recommended that this washout be repaired and that the owner of the dam be notified of the condition:

Y.M.H.A.DAY CAMP - Wilbraham, Mass.

The earth embankment of the dam at the right side of the spillway channel has been washed out for a distance of about 5 to 7 feet wide and for a depth of approximately 5 feet. This condition forms a weak spot in the dam and the earth washed out should be replaced immediately. In replacing this earth, it should be packed with hand tampers and placed in 6" layers.

Respectfully submitted,

GHM*emm

George H. McDonnell
County Hydraulic Engineer

Rec.
12-9-55

WATER SUPPLY
SEWERAGE
SEWAGE DISPOSAL
STRUCTURAL ENGINEERING

TIGHE & BOND, INC.
CONSULTING ENGINEERS
189 HIGH STREET
HOLYOKE, MASSACHUSETTS
GEORGE H. McDONNELL
PHILIP W. SHERIDAN

DAMS & POWER INSTALLATIONS
HIGHWAYS & BRIDGES
HOUSING DEVELOPMENT
WASTE DISPOSAL

CD-Wilbraham

Dec. 8, 1955

The Hon. the Board of County Commissioners
Hampden County Court House
Elm Street
Springfield, Massachusetts

Gentlemen:

Reinspection of the Y.M.H.A. Day Camp dam in Wilbraham shows that the damage to the earthen embankment, reported on Sept. 19, 1955 to your Board, has not been repaired and your letter of Sept. 21, to the Y.M.H.A. Day Camp containing recommendations for repairs has not been complied with.

It is recommended that the Owner of this dam be notified regarding the needed repairs.

Very truly yours

George H. McDonnell
County Hydraulic Engineer

GHM*cmb

SPRINGFIELD JEWISH COMMUNITY CENTER

1160 DICKINSON STREET SPRINGFIELD, MASSACHUSETTS

January 24, 1956

Office of the County Commissioners
37 Elm Street
Springfield, Mass.

Gentlemen:

I telephoned your office to give you the following information for the record and a member of your office force suggested that this be submitted in writing.

Mr. Francis L. Turnberg of East Longmeadow has been given a purchase order to do the work as per your letters of September 21, 1955 and December 14, 1955. As soon as this work is completed, you will be notified.

I am sending a copy of this letter to Mr. Turnberg in the event that there might be some question which you can directly answer.

Most cordially yours,

SIDNEY SHAPIRO
Day Camp Director

SS:a

cc: Mr. Francis L. Turnberg
257 Hampden Road
East Longmeadow, Mass.

SPRINGFIELD JEWISH COMMUNITY CENTER

1160 DICKINSON STREET SPRINGFIELD, MASSACHUSETTS

February 8, 1956

Office of the County Commissioners
37 Elm Street
Springfield, Mass.

Gentlemen:

Please be advised that the work on the dam at the Y Country Day Camp in Wilbraham, Mass. as specified in your letter of September 21, 1955 has been completed by our contractor and is ready for inspection.

We plan to withhold payment of the contractor's invoice until such time as we receive approval of the work from your office. We would therefore appreciate your early attention to this matter.

Thank you in advance for your consideration.

Sincerely yours,

SIDNEY SHAPIRO
Day Camp Director

SS:a

Copy of this letter sent to
George H. McDonnell, County
Hydraulic Engineer, on
February 15, 1956.

WATER SUPPLY
SEWERAGE
SEWAGE DISPOSAL
STRUCTURAL ENGINEERING

TIGHE & BOND, INC.
CONSULTING ENGINEERS
189 HIGH STREET
HOLYOKE, MASSACHUSETTS
GEORGE H. McDONNELL
PHILIP W. SHERIDAN

DAMS & POWER INSTALLATIONS
HIGHWAYS & BRIDGES
HOUSING DEVELOPMENT
WASTE DISPOSAL

C. D.-Wilbraham

February 28, 1956

The Hon. The Board of County Commissioners
Hampden County Court House
Elm Street
Springfield, Massachusetts

Gentlemen:

In reference to the letter of February 8, 1956 from the Springfield Jewish Center and filed by Sidney Shapiro, Day Camp Director, the undersigned inspected the repairs to the Day Camp on Soule Rd. in Wilbraham on Saturday, Feb. 25, 1956. The cavity in the dam earth fill has been packed with what appears to be a satisfactory material. It can be expected that following the spring thaw and rains a slight amount of damage will be done to the new fill. However, covering the fill with loam and then seeding the loam during March or April should complete the work of repair.

As of the present time the repair work is satisfactory.

Very truly yours,

George H. McDonnell
County Hydraulic Engineer

GHM/mdb

February 29, 1956

Springfield Jewish Center
1160 Dickinson Street
Springfield, Massachusetts

Attention Sydney Shapiro

Dear Sir:

In reference to your letter of February 8, 1956, our county hydraulic engineer has inspected the repair to your dam at the Day Camp on Soule Rd. in Wilbraham. The work as completed is reported as being satisfactory and the only additional work recommended is the placing of loam over the repaired area and the seeding of the loam during March or April.

Very truly yours,

Board of County Commissioners

William F. Stapleton

Thomas F. Sullivan

Acting County Commissioner — Francis M. O'Keefe

GHM/mdb

Nov. 12, 1958

Y.M.H.A. Camp
c/o Jewish Community Center of Springfield
1160 Dickinson Street
Springfield, Mass.

Gentlemen:

In accordance with the provisions of Chapter 253, Section 45, et seq. of the General Laws, Tercentenary Edition, relative to the inspection, condition, and safety of the dams of Hampden County, you are hereby advised that your dam located off of Soule Road in Wilbraham at the site of your day camp has been recently inspected by our Engineer and your attention is called to the following conditions noted and recommendations made by him.

> "Conditions at this dam were found to be satisfactory. The dam embankment should be cleared of all brush and vegetation except for the turf and grass."

Any further information concerning this matter which you may desire will be furnished by this office upon request.

Very truly yours,

BOARD OF COUNTY COMMISSIONERS

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Sept. 14, 1960

Y.M.H.A. Camp
c/o Jewish Community Center of Springfield
1160 Dickinson Street
Springfield, Mass.

Gentlemen:

In accordance with the provisions of Chapter 253, Section 45, et seq. of the General Laws, Tercentenary Edition, relative to the inspection, condition and safety of the dams of Hampden County, you are hereby advised that your dam located off of Soule Road in Wilbraham at the site of your day camp has been recently inspected by our Engineer and your attention is called to the following conditions noted and recommendations made by him.

> "All brush and small tree growth on the earth embankment should be cut down. The worn section of the embankment at the abutment walls should be repaired."

Any further information concerning this matter which you may desire will be furnished by this office upon request.

Very truly yours,

BOARD OF COUNTY COMMISSIONERS

William F. Stapleton

Thomas F. Sullivan

Francis M. O'Keefe Acting Commissioner

Nov. 1, 1961

Y. M. H. A. Camp
c/o Jewish Community Center of Springfield
1160 Dickinson Street
Springfield, Mass.

Gentlemen:

In accordance with the provisions of Chapter 253, Section 45, et seq. of the General Laws, Tercentenary Edition, relative to the inspection, condition and safety of the dams of Hampden County, you are hereby advised that your dam located off of Soule Road in Wilbraham at the site of your day camp has been recently inspected by our Engineer and your attention is called to the following conditions noted and recommendations made by him.

> "The brush growth on the embankment portion of this dam should be kept cut down. This applies to both sides of the masonry spillway. Worn and eroded areas of the embankment, particularly adjacent to the spillway, should be brought to proper grade and repaired."

Any further information concerning this matter which you may desire will be furnished by this office upon request.

Very truly yours

BOARD OF COUNTY COMMISSIONERS

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December 16, 1964

Y.M.H.A. Day Camp
Soule Road
Wilbraham, Massachusetts

Gentlemen:

In accordance with the provisions of Chapt. 253, Section 45, et seq. of the General Laws, Tercentenary Edition, relative to the inspection, condition and safety of the dams of Hampden County, you are hereby advised that your dam located on your property adjacent to Soule Road in Wilbraham has been inspected by our Engineer and your attention is called to the following conditions noted and recommendations made by him.

> "The embankment at this dam was found to be in fair condition. The spillway was satisfactory. Only a single low flashboard was on the crest and water level in storage was at the elevation of the top of the spillway board. The toe area of the dam embankment was in good condition as was the toe area of the masonry spillway.
>
> Concrete walls of both abutments were satisfactory.
>
> The Owner of the dam should cut down all brush growing from the earth embankment and in particular, the trees growing from the downstream face of the embankment just to the right of the spillway as well as the single tree and vine growth on the downstream face of the embankment to the left of the spillway. Eroded sections of the earth embankment adjacent to the right spillway masonry wall should be repaired. Both the upstream and downstream surface of the embankment have been eroded and a sizeable depression exists. After the depression is filled with compacted earth, the surface should be loamed and seeded."

To protect the investment that you have in this dam and to prevent the development of trouble of a more serious nature, the recommendations of the County

Hydraulic Engineer should be followed pertaining to the removal of brush and trees as well as the repair of the embankment adjacent to the right of spillway abutment wall.

Any further information concerning this matter which you may desire will be furnished by this office upon request.

Very truly yours,

BOARD OF COUNTY COMMISSIONERS

_____

_____

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June 21, 1967

Y. M. H. A. Day Camp
Soule Road
Wilbraham, Massachusetts

Gentlemen:

In accordance with the provisions of Chapter 253, Section 45, et seq. of the General Laws, Tercentenary Edition, relative to the inspection, condition and safety of the dams of Hampden County, you are hereby advised that your dam located on your property adjacent to Soule Road in Wilbraham has been inspected by our Engineer and your attention is called to the following conditions noted and recommendations made by him.

> "The earth embankment at this dam is rough in shape but the structure is in fair condition. Some improvement work has been done and soil erosion previously reported adjacent to the spillway has been corrected. Some of the tree and brush growth noted at the time of the last inspection has been cut down but all of this growth occurring on the sloping faces of the earth embankment should be removed and future growth should be discouraged. The earth embankment should be well maintained and a good growth of turf should be developed. No toe seepage of any consequence was noted.
>
> One flashboard was on the crest of the masonry spillway and water level was passing over the top of this board at a depth of about 1". The spillway structure was satisfactory.
>
> It is recommended that the owner of the dam be advised to remove all brush growth from the earth embankment portion of the structure and take the steps necessary to form a good heavy turf cover."

Our Board concurs in the recommendations of the County Hydraulic Engineer that the surface of the dam embankment be improved by the promotion of a

good growth of turf and all tree and brush growth growing from the earth embankment portion of the dam on both sides of the spillway, be cut down and future growth of this type discouraged.

Any further information concerning this matter which you may desire will be furnished by this office upon request.

Very truly yours,

BOARD OF COUNTY COMMISSIONERS

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...DONNELL
...RICAN
...HAYON

FAY, SPOFFORD & THORNDIKE
& BOND CONSULTING ENGINEERS

CIVIL, SANITARY AND ELECTRICAL ENGINEERING
INVESTIGATIONS, REPORTS, PLANS AND SPECIFICATIONS
SUPERVISION OF CONSTRUCTION AND OPERATION

BOWERS AND PEQUOT STREETS
HOLYOKE, MASSACHUSETTS
TEL JEFFERSON 3-3351

CD Wilbraham
March 18, 1969

Y. M. H. A. Day Camp
Soule Road
Wilbraham, Massachusetts

Gentlemen:

Reference is made to your dam southerly of Soule Road in Wilbraham, and the fact that there now exists a heavy snow cover throughout Western Massachusetts. The water content of this snow cover, coupled with a warm spring rain could result in extremely heavy runoff conditions. Consequently, the Commissioners of Hampden County have directed that I advise you to be sure that the spillway facilities at your dam are clear of any obstruction and that you take all precautions necessary to protect your dam as well as persons and property downstream.

Any flashboards remaining on the spillway crest should be removed immediately. In removing flashboards, the release of stored water should be done under controlled conditions so as not to cause any flooding downstream. Should severe spring flood flows occur, the dam should be checked frequently to be certain that the spillway facility is functioning properly and that its capacity has not been reduced by debris.

If you have any question in connection with this matter, the undersigned can be reached at the above address and telephone number.

Very truly yours,

George H. McDonnell

George H. McDonnell
County Hydraulic Engineer

GHM/amd

Commonwealth of Massachusetts

County of Hampden

Springfield, Mass.

Office of the
County Commissioners
52 State Street

William F. Stapleton
Chairman
[redacted]
Floyd W. Fradet
Stephen A. Moynahan

December 10, 1969

Y. M. H. A. Day Camp
c/o Jewish Community Center
1160 Dickinson Street
Springfield, Massachusetts 01108

Gentlemen:

In accordance with the provisions of Chapter 253, Section 45, et seq. of the General Laws, Tercentenary Edition, relative to the inspection, condition and safety of the dams of Hampden County, you are hereby advised that your dam located on your property adjacent to Soule Road in Wilbraham has been inspected by our Engineer and your attention is called to the following conditions noted and recommendations made by him.

"The embankment forming this dam is satisfactory as to shape. Some surface erosion was observed on the slopes at the spillway sidewalls. All tree and brush growth occurring on the sloping sides and on the top of the earth embankment should be cut down and any regrowth discouraged. Growth should be cleared from the embankment for a distance of 50 feet more or less on each side of the spillway structure.

The toe of the embankment is reasonably dry.

The concrete masonry of the spillway was noted to be satisfactory. Flashboards were still on the spillway crest on the day of inspection. They are bending downstream and will probably fail in the near future.

The flashboards should be removed from the crest of the spillway until after the spring runoff. Flashboards could then be replaced to raise the pond to normal elevation for summer use.

On the day of inspection, November 24, 1969, the pond was full and water was overflowing the flashboards.

In the opinion of the undersigned, the dam is safe. However, the tree and brush growth should be removed as recommended. Also, the flashboards should be taken off every fall and kept off of the spillway crest until after each spring snow melt and rainy season."

Our Board concurs in the recommendations of the County Hydraulic Engineer. Flashboards must be taken off of the crest of the dam immediately and steps should be taken to clear brush and tree growth from the dam embankment between now and the summer of 1970. Flashboards must be removed one at a time. The second flashboard should not be removed until ponded water level is lowered for a few days after removal of the top flashboard.

Any further information concerning this matter which you may desire will be furnished by this office upon request.

Very truly yours,

BOARD OF COUNTY COMMISSIONERS

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GEORGE H. McDONNELL
PHILIP W. SHERIDAN
EDWARD J. BAYON

TIGHE & BOND CONSULTING ENGINEERS

CIVIL, SANITARY AND ELECTRICAL ENGINEERING
INVESTIGATIONS, REPORTS, PLANS AND SPECIFICATIONS
SUPERVISION OF CONSTRUCTION AND OPERATION

BOWERS AND PEQUOT STREETS
HOLYOKE, MASSACHUSETTS
TEL. JEFFERSON 3-3991

CD Wilbraham
December 30, 1969

The Honorable the Board of County Commissioners
52 State Street
Springfield, Massachusetts

Gentlemen: Re: Wilbraham Repeat Inspections

The undersigned re-inspected the Y. M. H. A. Day Camp Dam in Wilbraham on Monday, December 29, 1969 to determine whether or not the owner of the dam had removed the flashboards as recommended in your letter of December 10, 1969. Both flashboards were still on the dam at the time of inspection.

It is recommended that a second communication be sent to Y. M. H. A. Day Camp authorities directing that the flashboards be removed within the next 30 days and remain off of the spillway crest until after the spring runoff.

Respectfully submitted,

George H. McDonnell

George H. McDonnell
County Hydraulic Engineer

GHM/amd

Commonwealth of Massachusetts

County of Hampden

Springfield, Mass.

Office of the
County Commissioners
52 State Street

William F. Stapleton
Chairman
[redacted]
Lloyd W. Fradet
Stephen A. Moynahan

December 31, 1969

Y.M.H.A. Day Camp
c/o Jewish Community Center
1160 Dickinson Street
Springfield, Massachusetts 01108

Gentlemen:

In accordance with the provisions of Chapter 253, Section 45, et seq. of the General Laws, Tercentenary Edition, relative to the inspection, condition and safety of the dams of Hampden County, you are hereby advised that your dam located on your property adjacent to Soule Road in Wilbraham has been inspected by our Engineer and your attention is called to the following conditions noted and recommendations made by him.

> "The undersigned re-inspected the Y.M.H.A. Day Camp Dam in Wilbraham on Monday, December 29, 1969 to determine whether or not the owner of the dam had removed the flashboards as recommended in your letter of December 10, 1969. Both flashboards were still on the dam at the time of inspection.
>
> It is recommended that a second communication be sent to Y.M.H.A. Day Camp authorities directing that the flashboards be removed within the next 30 days and remain off of the spillway crest until after the spring runoff. "

Our Board has advised you that the flashboards must be taken off of the crest of the dam immediately and that in removing flashboards, care must be taken and only one board removed at a time. The proper procedure is to remove the top flashboard until water in storage recedes to the upper elevation of the remaining flashboards. When this condition

occurs, the next flashboard should be removed and the same procedure followed, one board at a time being removed until the last board is off of the crest of the spillway. The removal of more than one flashboard at a time could cause flooding to occur downstream.

Flashboards may be replaced on the crest of the spillway following melting of snow on the drainage area and the period of heavy spring rainfall.

Very truly yours,

BOARD OF COUNTY COMMISSIONERS

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GEORGE H. McDONNELL
PHILIP W. SHERIDAN
EDWARD J. BAYON

TIGHE & BOND CONSULTING ENGINEERS

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BOWERS AND PEQUOT STREETS
HOLYOKE, MASSACHUSETTS
TEL. JEFFERSON 3-3991

CD Wilbraham
March 13, 1970

The Honorable the Board of County Commissioners
52 State Street
Springfield, Massachusetts

Gentlemen: Re: Y. M. H. A. Day Camp

The undersigned re-inspected the dam at the Y. M. H. A. Day Camp in Wilbraham on Wednesday, March 11, 1970. Flashboards one foot in height were still on the crest of the dam. The upper flashboard was bending downstream, and under a flood load, would probably fail.

Since nearly all of the snow cover on the drainage area has now melted and there is little chance of any major flood occurring in the valley of the stream between now and fall, the undersigned is of the opinion that conditions at the dam are satisfactory. However, officials of the Y. M. H. A. Day Camp should be advised that when the Day Camp closes at the end of the summer in 1970, all flashboards must be removed from the spillway crest.

Very truly yours,

George H. McDonnell

George H. McDonnell
County Hydraulic Engineer

GHM/amd

Commonwealth of Massachusetts

County of Hampden

Springfield, Mass.

Office of the
County Commissioners
52 State Street

William F. Stapleton
Chairman
[redacted]
Floyd W. Fradet
Stephen A. Moynahan

March 18, 1970

Y. M. H. A. Day Camp
c/o Jewish Community Center
1160 Dickinson Street
Springfield, Massachusetts 01108

Gentlemen:

In accordance with the provisions of Chapter 253, Section 45, et seq. of the General Laws, Tercentenary Edition, relative to the inspection, condition and safety of the dams of Hampden County, you are hereby advised that your dam located on your property adjacent to Soule Road in Wilbraham was inspected by our engineer on Wednesday, March 11th, and he noted that all flashboards had not been removed from the crest of the spillway as required for safety purposes. I also noted in his report to our Board, that because most of the snow cover on the drainage area has already melted, there is little chance that there will be any flood flow this spring. Consequently, it is not necessary that the flashboards remaining on the crest of the dam be removed at this time.

You are advised, however, that at the end of the summer of 1970 when the Day Camp closes, all flashboards are to be removed from the spillway of the dam and are to be kept off of the spillway until after the spring runoff of 1971. This is a practice that must be followed annually. Flashboards will only be allowed on the spillway from late spring until the end of summer of each year.

If you have any question in connection with this matter, please call or write our Board.

Very truly yours,

BOARD OF COUNTY COMMISSIONERS

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End of Book D23 ~ Dams ~ Wilbraham